



SEQUENCE LISTING

<110> STRITTMATTER, STEPHEN M.
CATE, RICHARD L.
SAH, DINAH W.Y.

<120> NOGO RECEPTOR HOMOLOGS

<130> A116 CON

<140> 10/735,256

<141> 2003-12-12

<150> 09/972,546

<151> 2001-10-06

<150> 60/238,361

<151> 2000-10-06

<160> 19

<170> PatentIn Ver. 2.1

<210> 1

<211> 1260

<212> DNA

<213> Homo sapiens

<400> 1

| | | | | | | |
|------------|------------|------------|------------|------------|------------|------|
| atgctgccc | ggctcaggcg | cctgctgcaa | gctcccgcct | cggcctgcct | cctgctgatg | 60 |
| ctcctggccc | tgcccctggc | ggccccagc | tgccccatgc | tctgcacctg | ctactcatcc | 120 |
| cgcgccaccg | tgagctgcca | ggccaacaac | ttctcctctg | tgccgctgtc | cctgccaccc | 180 |
| agcactcagc | gactcttcct | gcagaacaac | ctcatccgca | cgtctcggcc | aggcaccttt | 240 |
| gggtccaacc | tgtctaccct | gtggctcttc | tccaacaacc | tctccaccat | ctaccggggc | 300 |
| actttccgcc | acttgcaagc | cctggaggag | ctggacctcg | gtgacaaccg | gcacctgcgc | 360 |
| tcgctggagc | ccgacacctt | ccagggcctg | gagcggctgc | agtcgctgca | tttgtaccgc | 420 |
| tgccagctca | gcagcctgcc | cggcaacatc | ttccgaggcc | tggtcagcct | gcagtacctc | 480 |
| tacctccagg | agaacagcct | gctccacctc | caggatgact | tgttcgcgga | cctggccaac | 540 |
| ctgagccacc | tcttcctcca | cgggaaccgc | ctgcggctgc | tcacagagca | cgtgtttcgc | 600 |
| ggcctgggca | gcctggaccg | gctgctgctg | cacgggaacc | ggctgcaggg | cgtgcaccgc | 660 |
| gcggccttcc | gcggcctcag | ccgcctcacc | atcctctacc | tgttcaacaa | cagcctggcc | 720 |
| tcgctgccc | gcgaggcgct | cgccgacctg | ccctcgtctg | agttcctgcg | gctcaacgct | 780 |
| aacccttggg | cgtgcgactg | ccgcgcgcgg | ccgctctggg | cctgggtcca | gcgcgcgcgc | 840 |
| gtgtccagct | ccgacgtgac | ctgcgccacc | cccccgagc | gccaggggcg | agacctgcgc | 900 |
| gcgctccgcg | aggccgactt | ccaggcgtgt | ccgcccgcgg | cacccacgcg | gccgggcagc | 960 |
| cgcgcccgcg | gcaacagctc | ctccaaccac | ctgtacgggg | tgcccgaggc | cggggcgccc | 1020 |
| ccagccgatc | cctccaccct | ctaccgagat | ctgcctgccg | aagactcgcg | ggggcgccag | 1080 |
| ggcggggacg | cgcctactga | ggacgactac | tgggggggct | acgggggtga | ggaccagcga | 1140 |
| ggggagcaga | tgtgcccccg | cgtgcctgc | caggcgcccc | cggactcccg | aggccctgcg | 1200 |
| ctctcggccg | ggctccccag | ccctctgctt | tgctcctgc | tcctggtgcc | ccaccacctc | 1260 |

<210> 2

<211> 420

<212> PRT

<213> Homo sapiens

<400> 2

| | | | | | | | | | | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Met | Leu | Pro | Gly | Leu | Arg | Arg | Leu | Leu | Gln | Ala | Pro | Ala | Ser | Ala | Cys |
| 1 | | | | | | | 5 | | | | 10 | | | | 15 |

Leu Leu Leu Met Leu Leu Ala Leu Pro Leu Ala Ala Pro Ser Cys Pro

| 20 | | | | | 25 | | | | | 30 | | | | | |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Met | Leu | Cys | Thr | Cys | Tyr | Ser | Ser | Pro | Pro | Thr | Val | Ser | Cys | Gln | Ala |
| | | 35 | | | | | 40 | | | | | 45 | | | |
| Asn | Asn | Phe | Ser | Ser | Val | Pro | Leu | Ser | Leu | Pro | Pro | Ser | Thr | Gln | Arg |
| | 50 | | | | | 55 | | | | | 60 | | | | |
| Leu | Phe | Leu | Gln | Asn | Asn | Leu | Ile | Arg | Thr | Leu | Arg | Pro | Gly | Thr | Phe |
| 65 | | | | | 70 | | | | | 75 | | | | | 80 |
| Gly | Ser | Asn | Leu | Leu | Thr | Leu | Trp | Leu | Phe | Ser | Asn | Asn | Leu | Ser | Thr |
| | | | | 85 | | | | | 90 | | | | | 95 | |
| Ile | Tyr | Pro | Gly | Thr | Phe | Arg | His | Leu | Gln | Ala | Leu | Glu | Glu | Leu | Asp |
| | | | 100 | | | | | 105 | | | | | 110 | | |
| Leu | Gly | Asp | Asn | Arg | His | Leu | Arg | Ser | Leu | Glu | Pro | Asp | Thr | Phe | Gln |
| | | 115 | | | | | 120 | | | | | 125 | | | |
| Gly | Leu | Glu | Arg | Leu | Gln | Ser | Leu | His | Leu | Tyr | Arg | Cys | Gln | Leu | Ser |
| | 130 | | | | | 135 | | | | | 140 | | | | |
| Ser | Leu | Pro | Gly | Asn | Ile | Phe | Arg | Gly | Leu | Val | Ser | Leu | Gln | Tyr | Leu |
| 145 | | | | | 150 | | | | | 155 | | | | | 160 |
| Tyr | Leu | Gln | Glu | Asn | Ser | Leu | Leu | His | Leu | Gln | Asp | Asp | Leu | Phe | Ala |
| | | | | 165 | | | | | 170 | | | | | 175 | |
| Asp | Leu | Ala | Asn | Leu | Ser | His | Leu | Phe | Leu | His | Gly | Asn | Arg | Leu | Arg |
| | | | 180 | | | | | 185 | | | | | 190 | | |
| Leu | Leu | Thr | Glu | His | Val | Phe | Arg | Gly | Leu | Gly | Ser | Leu | Asp | Arg | Leu |
| | | 195 | | | | | 200 | | | | | 205 | | | |
| Leu | Leu | His | Gly | Asn | Arg | Leu | Gln | Gly | Val | His | Arg | Ala | Ala | Phe | Arg |
| | 210 | | | | | 215 | | | | | 220 | | | | |
| Gly | Leu | Ser | Arg | Leu | Thr | Ile | Leu | Tyr | Leu | Phe | Asn | Asn | Ser | Leu | Ala |
| 225 | | | | | 230 | | | | | 235 | | | | | 240 |
| Ser | Leu | Pro | Gly | Glu | Ala | Leu | Ala | Asp | Leu | Pro | Ser | Leu | Glu | Phe | Leu |
| | | | | 245 | | | | 250 | | | | | | 255 | |
| Arg | Leu | Asn | Ala | Asn | Pro | Trp | Ala | Cys | Asp | Cys | Arg | Ala | Arg | Pro | Leu |
| | | | 260 | | | | | 265 | | | | | 270 | | |
| Trp | Ala | Trp | Phe | Gln | Arg | Ala | Arg | Val | Ser | Ser | Ser | Asp | Val | Thr | Cys |
| | 275 | | | | | | 280 | | | | | 285 | | | |
| Ala | Thr | Pro | Pro | Glu | Arg | Gln | Gly | Arg | Asp | Leu | Arg | Ala | Leu | Arg | Glu |
| | 290 | | | | | 295 | | | | | 300 | | | | |
| Ala | Asp | Phe | Gln | Ala | Cys | Pro | Pro | Ala | Ala | Pro | Thr | Arg | Pro | Gly | Ser |
| 305 | | | | | 310 | | | | | 315 | | | | | 320 |
| Arg | Ala | Arg | Gly | Asn | Ser | Ser | Ser | Asn | His | Leu | Tyr | Gly | Val | Ala | Glu |
| | | | | 325 | | | | | 330 | | | | | 335 | |
| Ala | Gly | Ala | Pro | Pro | Ala | Asp | Pro | Ser | Thr | Leu | Tyr | Arg | Asp | Leu | Pro |
| | | | 340 | | | | | 345 | | | | | 350 | | |

Ala Glu Asp Ser Arg Gly Arg Gln Gly Gly Asp Ala Pro Thr Glu Asp
355 360 365

Asp Tyr Trp Gly Gly Tyr Gly Gly Glu Asp Gln Arg Gly Glu Gln Met
370 375 380

Cys Pro Gly Ala Ala Cys Gln Ala Pro Pro Asp Ser Arg Gly Pro Ala
385 390 395 400

Leu Ser Ala Gly Leu Pro Ser Pro Leu Leu Cys Leu Leu Leu Leu Val
405 410 415

Pro His His Leu
420

<210> 3
<211> 1383
<212> DNA
<213> Mus sp.

<400> 3
atgtcttggc agtctggaac cacagtgaca caatctcccg tgcaggctgc tcagggtctca 60
gggtgctgtg tggaaattgct gctgttgctg ctcgctggag agctacctct ggggtgggtgg 120
tgtcctcgag actgtgtgtg ctacctgctg cccatgactg tcagctgcca ggcacacaac 180
tttgctgcca tcccggaggg catcccagag gacagtgagc gcatcttcct gcagaacaat 240
cgcacacact tcctccagca gggccacttc agccccgcca tggtcaccct ctggatctac 300
tccaacaaca tcactttcat tgctcccaac accttcgagg gctttgtgca tctggaggag 360
ctagaccttg gagacaaccg acagctgcca acgctggcac ccgagacctt ccaaggcctg 420
gtgaagcttc acgcccctta cctctataag tgtggactga gcgccctgcc cgcaggcatc 480
tttggtggcc tgcacagcct gcagtatctc tacttgagg acaaccatat cgagtacctc 540
caagatgaca tctttgtgga cctgggtcaat ctcagtcact tgtttctcca tggtaacaag 600
ctatggagcc tgggccaagg catcttcccg ggctgtgga acctggaccg gttgctgctg 660
catgagaacc agctacagtg gggtccaccac aaggctttcc atgacctcca caggctaacc 720
accctctttc tcttcaacaa cagcctcact gagctgcagg gtgactgtct ggcacctctg 780
gtggccttgg agttccttcg cctcaatggg aatgcttggg actgtggctg ccgggcacgt 840
tccctgtggg aatggctgctg aagggtccgt ggctctagct ctgctgtccc ctgcgcgacc 900
cccagagctgc ggcaaggcca ggatctgaag ctgctgaggg tggaggactt ccggaactgc 960
acaggaccag tgtctcctca ccagatcaag tctcacacgc ttaccacctc tgacagggtc 1020
gcccgcaagg agcaccatcc gtcccatggg gcctccaggg acaaaggcca ccacatggc 1080
catccgctg agtccaggtc aggttacaag aaggcaggca agaactgcac cagccacagg 1140
aaccggaacc agatctctaa ggtgagctct gggaaagagc ttaccgaact gcaggactat 1200
gcccccgact atcagcacia gttcagcttt gacatcatgc ccaccgcacg acccaagagg 1260
aagggcaagt gtgctcgcag gacccccatc cgtgccccca gtgggggtgca gcaggcatcc 1320
tcaggcacgg cccttggggc cccactcctg gcctggatac tgggggtggc agtcactctc 1380
cgc 1383

<210> 4
<211> 461
<212> PRT
<213> Mus sp.

<400> 4
Met Ser Trp Gln Ser Gly Thr Thr Val Thr Gln Ser Pro Val Gln Ala
1 5 10 15

Ala Gln Val Ser Gly Cys Cys Val Glu Leu Leu Leu Leu Leu Ala
20 25 30

Gly Glu Leu Pro Leu Gly Gly Gly Cys Pro Arg Asp Cys Val Cys Tyr
35 40 45

| | | | | | | | | | | | | | | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Pro | Ala | Pro | Met | Thr | Val | Ser | Cys | Gln | Ala | His | Asn | Phe | Ala | Ala | Ile | 50 | 55 | 60 | |
| Pro | Glu | Gly | Ile | Pro | Glu | Asp | Ser | Glu | Arg | Ile | Phe | Leu | Gln | Asn | Asn | 65 | 70 | 75 | 80 |
| Arg | Ile | Thr | Phe | Leu | Gln | Gln | Gly | His | Phe | Ser | Pro | Ala | Met | Val | Thr | 85 | 90 | 95 | |
| Leu | Trp | Ile | Tyr | Ser | Asn | Asn | Ile | Thr | Phe | Ile | Ala | Pro | Asn | Thr | Phe | 100 | 105 | 110 | |
| Glu | Gly | Phe | Val | His | Leu | Glu | Glu | Leu | Asp | Leu | Gly | Asp | Asn | Arg | Gln | 115 | 120 | 125 | |
| Leu | Arg | Thr | Leu | Ala | Pro | Glu | Thr | Phe | Gln | Gly | Leu | Val | Lys | Leu | His | 130 | 135 | 140 | |
| Ala | Leu | Tyr | Leu | Tyr | Lys | Cys | Gly | Leu | Ser | Ala | Leu | Pro | Ala | Gly | Ile | 145 | 150 | 155 | 160 |
| Phe | Gly | Gly | Leu | His | Ser | Leu | Gln | Tyr | Leu | Tyr | Leu | Gln | Asp | Asn | His | 165 | 170 | 175 | |
| Ile | Glu | Tyr | Leu | Gln | Asp | Asp | Ile | Phe | Val | Asp | Leu | Val | Asn | Leu | Ser | 180 | 185 | 190 | |
| His | Leu | Phe | Leu | His | Gly | Asn | Lys | Leu | Trp | Ser | Leu | Gly | Gln | Gly | Ile | 195 | 200 | 205 | |
| Phe | Arg | Gly | Leu | Val | Asn | Leu | Asp | Arg | Leu | Leu | Leu | His | Glu | Asn | Gln | 210 | 215 | 220 | |
| Leu | Gln | Trp | Val | His | His | Lys | Ala | Phe | His | Asp | Leu | His | Arg | Leu | Thr | 225 | 230 | 235 | 240 |
| Thr | Leu | Phe | Leu | Phe | Asn | Asn | Ser | Leu | Thr | Glu | Leu | Gln | Gly | Asp | Cys | 245 | 250 | 255 | |
| Leu | Ala | Pro | Leu | Val | Ala | Leu | Glu | Phe | Leu | Arg | Leu | Asn | Gly | Asn | Ala | 260 | 265 | 270 | |
| Trp | Asp | Cys | Gly | Cys | Arg | Ala | Arg | Ser | Leu | Trp | Glu | Trp | Leu | Arg | Arg | 275 | 280 | 285 | |
| Phe | Arg | Gly | Ser | Ser | Ser | Ala | Val | Pro | Cys | Ala | Thr | Pro | Glu | Leu | Arg | 290 | 295 | 300 | |
| Gln | Gly | Gln | Asp | Leu | Lys | Leu | Leu | Arg | Val | Glu | Asp | Phe | Arg | Asn | Cys | 305 | 310 | 315 | 320 |
| Thr | Gly | Pro | Val | Ser | Pro | His | Gln | Ile | Lys | Ser | His | Thr | Leu | Thr | Thr | 325 | 330 | 335 | |
| Ser | Asp | Arg | Ala | Ala | Arg | Lys | Glu | His | His | Pro | Ser | His | Gly | Ala | Ser | 340 | 345 | 350 | |
| Arg | Asp | Lys | Gly | His | Pro | His | Gly | His | Pro | Pro | Gly | Ser | Arg | Ser | Gly | 355 | 360 | 365 | |
| Tyr | Lys | Lys | Ala | Gly | Lys | Asn | Cys | Thr | Ser | His | Arg | Asn | Arg | Asn | Gln | | | | |

| | | | | | | | | | | | | | | | |
|------------|-----|------------|------------|------------|-----|------------|------------|------------|------------|-----|-----|------------|------------|------------|------------|
| 370 | | | | 375 | | | | 380 | | | | | | | |
| Ile 385 | Ser | Lys | Val | Ser | Ser | Gly | Lys | Glu | Leu | Thr | Glu | Leu | Gln | Asp | Tyr 400 |
| | | | | 390 | | | | 395 | | | | | | | |
| Ala | Pro | Asp | Tyr | Gln 405 | His | Lys | Phe | Ser | Phe 410 | Asp | Ile | Met | Pro | Thr 415 | Ala |
| | | | | | | | | | | | | | | | |
| Arg | Pro | Lys | Arg 420 | Lys | Gly | Lys | Cys | Ala 425 | Arg | Arg | Thr | Pro | Ile 430 | Arg | Ala |
| | | | | | | | | | | | | | | | |
| Pro | Ser | Gly 435 | Val | Gln | Gln | Ala | Ser 440 | Ser | Gly | Thr | Ala | Leu 445 | Gly | Ala | Pro |
| | | | | | | | | | | | | | | | |
| Leu 450 | Leu | Ala | Trp | Ile | Leu | Gly 455 | Leu | Ala | Val | Thr | Leu | Arg | | | |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |

Leu His Gln Asn Arg Val Ala His Val His Pro His Ala Phe Arg Asp
 210 215 220
 Leu Gly Arg Leu Met Thr Leu Tyr Leu Phe Ala Asn Asn Leu Ser Ala
 225 230 235 240
 Leu Pro Thr Glu Ala Leu Ala Pro Leu Arg Ala Leu Gln Tyr Leu Arg
 245 250 255
 Leu Asn Asp Asn Pro Trp Val Cys Asp Cys Arg Ala Arg Pro Leu Trp
 260 265 270
 Ala Trp Leu Gln Lys Phe Arg Gly Ser Ser Ser Glu Val Pro Cys Ser
 275 280 285
 Leu Pro Gln Arg Leu Ala Gly Arg Asp Leu Lys Arg Leu Ala Ala Asn
 290 295 300
 Asp Leu Gln Gly Cys Ala Val Ala Thr Gly Pro Tyr His Pro Ile Trp
 305 310 315 320
 Thr Gly Arg Ala Thr Asp Glu Glu Pro Leu Gly Leu Pro Lys Cys Cys
 325 330 335
 Gln Pro Asp Ala Ala Asp Lys Ala Ser Val Leu Glu Pro Gly Arg Pro
 340 345 350
 Ala Ser Ala Gly Asn Ala Leu Lys Gly Arg Val Pro Pro Gly Asp Ser
 355 360 365
 Pro Pro Gly Asn Gly Ser Gly Pro Arg His Ile Asn Asp Ser Pro Phe
 370 375 380
 Gly Thr Leu Pro Gly Ser Ala Glu Pro Pro Leu Thr Ala Val Arg Pro
 385 390 395 400
 Glu Gly Ser Glu Pro Pro Gly Phe Pro Thr Ser Gly Pro Arg Arg Arg
 405 410 415
 Pro Gly Cys Ser Arg Lys Asn Arg Thr Arg Ser His Cys Arg Leu Gly
 420 425 430
 Gln Ala Gly Ser Gly Gly Gly Gly Thr Gly Asp Ser Glu Gly Ser Gly
 435 440 445
 Ala Leu Pro Ser Leu Thr Cys Ser Leu Thr Pro Leu Gly Leu Ala Leu
 450 455 460
 Val Leu Trp Thr Val Leu Gly Pro Cys
 465 470

<210> 6

<211> 440

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Consensus sequence

```

<220>
<221> MOD_RES
<222> (3)..(4)
<223> Variable amino acid

<220>
<221> MOD_RES
<222> (6)
<223> Variable amino acid

<220>
<221> MOD_RES
<222> (9)..(10)
<223> Variable amino acid

<220>
<221> MOD_RES
<222> (12)..(13)
<223> Variable amino acid

<220>
<221> MOD_RES
<222> (15)
<223> Variable amino acid

<220>
<221> MOD_RES
<222> (18)..(25)
<223> Variable amino acid

<220>
<221> MOD_RES
<222> (27)..(29)
<223> Variable amino acid

<220>
<221> MOD_RES
<222> (31)..(34)
<223> Variable amino acid

<220>
<221> MOD_RES
<222> (36)
<223> Variable amino acid

<220>
<221> MOD_RES
<222> (39)..(40)
<223> Variable amino acid

<220>
<221> MOD_RES
<222> (42)
<223> Variable amino acid

<220>
<221> MOD_RES
<222> (44)..(50)
<223> Variable amino acid

<220>
<221> MOD_RES

```

```

<222> (52)..(59)
<223> Variable amino acid

<220>
<221> MOD_RES
<222> (62)..(63)
<223> Variable amino acid

<220>
<221> MOD_RES
<222> (66)..(69)
<223> Variable amino acid

<220>
<221> MOD_RES
<222> (71)..(74)
<223> Variable amino acid

<220>
<221> MOD_RES
<222> (76)..(80)
<223> Variable amino acid

<220>
<221> MOD_RES
<222> (83)
<223> Variable amino acid

<220>
<221> MOD_RES
<222> (87)
<223> Variable amino acid

<220>
<221> MOD_RES
<222> (90)..(91)
<223> Variable amino acid

<220>
<221> MOD_RES
<222> (94)..(96)
<223> Variable amino acid

<220>
<221> MOD_RES
<222> (98)
<223> Variable amino acid

<220>
<221> MOD_RES
<222> (101)
<223> Variable amino acid

<220>
<221> MOD_RES
<222> (104)..(105)
<223> Variable amino acid

<220>
<221> MOD_RES
<222> (107)
<223> Variable amino acid

```

<220>
<221> MOD_RES
<222> (109)
<223> Variable amino acid

<220>
<221> MOD_RES
<222> (111)..(112)
<223> Variable amino acid

<220>
<221> MOD_RES
<222> (114)
<223> Variable amino acid

<220>
<221> MOD_RES
<222> (116)..(117)
<223> Variable amino acid

<220>
<221> MOD_RES
<222> (119)..(122)
<223> Variable amino acid

<220>
<221> MOD_RES
<222> (124)
<223> Variable amino acid

<220>
<221> MOD_RES
<222> (127)..(128)
<223> Variable amino acid

<220>
<221> MOD_RES
<222> (136)
<223> Variable amino acid

<220>
<221> MOD_RES
<222> (138)..(141)
<223> Variable amino acid

<220>
<221> MOD_RES
<222> (143)
<223> Variable amino acid

<220>
<221> MOD_RES
<222> (146)
<223> Variable amino acid

<220>
<221> MOD_RES
<222> (148)
<223> Variable amino acid

<220>

<221> MOD_RES
<222> (151)
<223> Variable amino acid

<220>
<221> MOD_RES
<222> (154)
<223> Variable amino acid

<220>
<221> MOD_RES
<222> (162)..(170)
<223> Variable amino acid

<220>
<221> MOD_RES
<222> (175)..(176)
<223> Variable amino acid

<220>
<221> MOD_RES
<222> (184)
<223> Variable amino acid

<220>
<221> MOD_RES
<222> (186)..(189)
<223> Variable amino acid

<220>
<221> MOD_RES
<222> (192)..(193)
<223> Variable amino acid

<220>
<221> MOD_RES
<222> (196)..(197)
<223> Variable amino acid

<220>
<221> MOD_RES
<222> (199)
<223> Variable amino acid

<220>
<221> MOD_RES
<222> (202)..(203)
<223> Variable amino acid

<220>
<221> MOD_RES
<222> (205)
<223> Variable amino acid

<220>
<221> MOD_RES
<222> (208)
<223> Variable amino acid

<220>
<221> MOD_RES
<222> (210)

```

<223> Variable amino acid

<220>
<221> MOD_RES
<222> (212)..(213)
<223> Variable amino acid

<220>
<221> MOD_RES
<222> (215)..(218)
<223> Variable amino acid

<220>
<221> MOD_RES
<222> (221)
<223> Variable amino acid

<220>
<221> MOD_RES
<222> (223)..(224)
<223> Variable amino acid

<220>
<221> MOD_RES
<222> (226)..(227)
<223> Variable amino acid

<220>
<221> MOD_RES
<222> (232)
<223> Variable amino acid

<220>
<221> MOD_RES
<222> (234)
<223> Variable amino acid

<220>
<221> MOD_RES
<222> (236)
<223> Variable amino acid

<220>
<221> MOD_RES
<222> (238)
<223> Variable amino acid

<220>
<221> MOD_RES
<222> (243)
<223> Variable amino acid

<220>
<221> MOD_RES
<222> (246)
<223> Variable amino acid

<220>
<221> MOD_RES
<222> (248)..(251)
<223> Variable amino acid

```

<220>
<221> MOD_RES
<222> (253)
<223> Variable amino acid

<220>
<221> MOD_RES
<222> (257)
<223> Variable amino acid

<220>
<221> MOD_RES
<222> (259)
<223> Variable amino acid

<220>
<221> MOD_RES
<222> (261)..(262)
<223> Variable amino acid

<220>
<221> MOD_RES
<222> (264)..(267)
<223> Variable amino acid

<220>
<221> MOD_RES
<222> (269)
<223> Variable amino acid

<220>
<221> MOD_RES
<222> (272)..(273)
<223> Variable amino acid

<220>
<221> MOD_RES
<222> (275)..(277)
<223> Variable amino acid

<220>
<221> MOD_RES
<222> (279)..(281)
<223> Variable amino acid

<220>
<221> MOD_RES
<222> (283)..(287)
<223> Variable amino acid

<220>
<221> MOD_RES
<222> (289)..(290)
<223> Variable amino acid

<220>
<221> MOD_RES
<222> (292)..(328)
<223> Variable amino acid

<220>
<221> MOD_RES

<222> (330)..(341)
 <223> Variable amino acid

<220>
 <221> MOD_RES
 <222> (344)..(346)
 <223> Variable amino acid

<220>
 <221> MOD_RES
 <222> (348)..(399)
 <223> Variable amino acid

<220>
 <221> MOD_RES
 <222> (401)..(428)
 <223> Variable amino acid

<220>
 <221> MOD_RES
 <222> (431)..(439)
 <223> Variable amino acid

<400> 6
 Cys Pro Xaa Xaa Cys Xaa Cys Tyr Xaa Xaa Pro Xaa Xaa Thr Xaa Ser
 1 5 10 15
 Cys Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Pro Xaa Xaa Xaa Pro Xaa Xaa
 20 25 30
 Xaa Xaa Arg Xaa Phe Leu Xaa Xaa Asn Xaa Ile Xaa Xaa Xaa Xaa Xaa
 35 40 45
 Xaa Xaa Phe Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Leu Trp Xaa Xaa Ser
 50 55 60
 Asn Xaa Xaa Xaa Xaa Ile Xaa Xaa Xaa Xaa Phe Xaa Xaa Xaa Xaa Xaa
 65 70 75 80
 Leu Glu Xaa Leu Asp Leu Xaa Asp Asn Xaa Xaa Leu Arg Xaa Xaa Xaa
 85 90 95
 Pro Xaa Thr Phe Xaa Gly Leu Xaa Xaa Leu Xaa Leu Xaa Leu Xaa Xaa
 100 105 110
 Cys Xaa Leu Xaa Xaa Leu Xaa Xaa Xaa Xaa Phe Xaa Gly Leu Xaa Xaa
 115 120 125
 Leu Gln Tyr Leu Tyr Leu Gln Xaa Asn Xaa Xaa Xaa Xaa Leu Xaa Asp
 130 135 140
 Asp Xaa Phe Xaa Asp Leu Xaa Asn Leu Xaa His Leu Phe Leu His Gly
 145 150 155 160
 Asn Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Phe Arg Gly Leu Xaa Xaa
 165 170 175
 Leu Asp Arg Leu Leu Leu His Xaa Asn Xaa Xaa Xaa Xaa Val His Xaa
 180 185 190
 Xaa Ala Phe Xaa Xaa Leu Xaa Arg Leu Xaa Xaa Leu Xaa Leu Phe Xaa
 195 200 205

Asn Xaa Leu Xaa Xaa Leu Xaa Xaa Xaa Xaa Leu Ala Xaa Leu Xaa Xaa
 210 215 220
 Leu Xaa Xaa Leu Arg Leu Asn Xaa Asn Xaa Trp Xaa Cys Xaa Cys Arg
 225 230 235 240
 Ala Arg Xaa Leu Trp Xaa Trp Xaa Xaa Xaa Xaa Arg Xaa Ser Ser Ser
 245 250 255
 Xaa Val Xaa Cys Xaa Xaa Pro Xaa Xaa Xaa Xaa Gly Xaa Asp Leu Xaa
 260 265 270
 Xaa Leu Xaa Xaa Xaa Asp Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa Xaa Pro
 275 280 285
 Xaa Xaa Pro Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
 290 295 300
 Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
 305 310 315 320
 Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Gly Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
 325 330 335
 Xaa Xaa Xaa Xaa Xaa Pro Pro Xaa Xaa Xaa Ser Xaa Xaa Xaa Xaa Xaa
 340 345 350
 Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
 355 360 365
 Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
 370 375 380
 Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Arg
 385 390 395 400
 Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
 405 410 415
 Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Leu Xaa Xaa Xaa
 420 425 430
 Xaa Xaa Xaa Xaa Xaa Xaa Xaa Leu
 435 440

<210> 7
 <211> 66
 <212> PRT
 <213> Homo sapiens

<400> 7
 Arg Ile Tyr Lys Gly Val Ile Gln Ala Ile Gln Lys Ser Asp Glu Gly
 1 5 10 15
 His Pro Phe Arg Ala Tyr Leu Glu Ser Glu Val Ala Ile Ser Glu Glu
 20 25 30
 Leu Val Gln Lys Tyr Ser Asn Ser Ala Leu Gly His Val Asn Cys Thr
 35 40 45

Ile Lys Glu Leu Arg Arg Leu Phe Leu Val Asp Asp Leu Val Asp Ser
50 55 60

Leu Lys
65

<210> 8
<211> 390
<212> PRT
<213> Homo sapeins

<400> 8
Cys Pro Met Leu Cys Thr Cys Tyr Ser Ser Pro Pro Thr Val Ser Cys
1 5 10 15

Gln Ala Asn Asn Phe Ser Ser Val Pro Leu Ser Leu Pro Pro Ser Thr
20 25 30

Gln Arg Leu Phe Leu Gln Asn Asn Leu Ile Arg Thr Leu Arg Pro Gly
35 40 45

Thr Phe Gly Ser Asn Leu Leu Thr Leu Trp Leu Phe Ser Asn Asn Leu
50 55 60

Ser Thr Ile Tyr Pro Gly Thr Phe Arg His Leu Gln Ala Leu Glu Glu
65 70 75 80

Leu Asp Leu Gly Asp Asn Arg His Leu Arg Ser Leu Glu Pro Asp Thr
85 90 95

Phe Gln Gly Leu Glu Arg Leu Gln Ser Leu His Leu Tyr Arg Cys Gln
100 105 110

Leu Ser Ser Leu Pro Gly Asn Ile Phe Arg Gly Leu Val Ser Leu Gln
115 120 125

Tyr Leu Tyr Leu Gln Glu Asn Ser Leu Leu His Leu Gln Asp Asp Leu
130 135 140

Phe Ala Asp Leu Ala Asn Leu Ser His Leu Phe Leu His Gly Asn Arg
145 150 155 160

Leu Arg Leu Leu Thr Glu His Val Phe Arg Gly Leu Gly Ser Leu Asp
165 170 175

Arg Leu Leu Leu His Gly Asn Arg Leu Gln Gly Val His Arg Ala Ala
180 185 190

Phe Arg Gly Leu Ser Arg Leu Thr Ile Leu Tyr Leu Phe Asn Asn Ser
195 200 205

Leu Ala Ser Leu Pro Gly Glu Ala Leu Ala Asp Leu Pro Ser Leu Glu
210 215 220

Phe Leu Arg Leu Asn Ala Asn Pro Trp Ala Cys Asp Cys Arg Ala Arg
225 230 235 240

Pro Leu Trp Ala Trp Phe Gln Arg Ala Arg Val Ser Ser Ser Asp Val
245 250 255

Thr Cys Ala Thr Pro Pro Glu Arg Gln Gly Arg Asp Leu Arg Ala Leu

Leu Trp Ser Leu Gly Gln Gly Ile Phe Arg Gly Leu Val Asn Leu Asp
 165 170 175
 Arg Leu Leu Leu His Glu Asn Gln Leu Gln Trp Val His His Lys Ala
 180 185 190
 Phe His Asp Leu His Arg Leu Thr Thr Leu Phe Leu Phe Asn Asn Ser
 195 200 205
 Leu Thr Glu Leu Gln Gly Asp Cys Leu Ala Pro Leu Val Ala Leu Glu
 210 215 220
 Phe Leu Arg Leu Asn Gly Asn Ala Trp Asp Cys Gly Cys Arg Ala Arg
 225 230 235 240
 Ser Leu Trp Glu Trp Leu Arg Arg Phe Arg Gly Ser Ser Ser Ala Val
 245 250 255
 Pro Cys Ala Thr Pro Glu Leu Arg Gln Gly Gln Asp Leu Lys Leu Leu
 260 265 270
 Arg Val Glu Asp Phe Arg Asn Cys Thr Gly Pro Val Ser Pro His Gln
 275 280 285
 Ile Lys Ser His Thr Leu Thr Thr Ser Asp Arg Ala Ala Arg Lys Glu
 290 295 300
 His His Pro Ser His Gly Ala Ser Arg Asp Lys Gly His Pro His Gly
 305 310 315 320
 His Pro Pro Gly Ser Arg Ser Gly Tyr Lys Lys Ala Gly Lys Asn Cys
 325 330 335
 Thr Ser His Arg Asn Arg Asn Gln Ile Ser Lys Val Ser Ser Gly Lys
 340 345 350
 Glu Leu Thr Glu Leu Gln Asp Tyr Ala Pro Asp Tyr Gln His Lys Phe
 355 360 365
 Ser Phe Asp Ile Met Pro Thr Ala Arg Pro Lys Arg Lys Gly Lys Cys
 370 375 380
 Ala Arg Arg Thr Pro Ile Arg Ala Pro Ser Gly Val Gln Gln Ala Ser
 385 390 395 400
 Ser Gly Thr Ala Leu Gly Ala Pro Leu Leu Ala Trp Ile Leu Gly Leu
 405 410 415
 Ala Val Thr Leu Arg
 420

<210> 10

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Consensus
sequence

<220>
 <221> MOD_RES
 <222> (3)..(4)
 <223> Variable amino acid

<220>
 <221> MOD_RES
 <222> (6)
 <223> Variable amino acid

<220>
 <221> MOD_RES
 <222> (9)..(10)
 <223> Variable amino acid

<220>
 <221> MOD_RES
 <222> (12)..(13)
 <223> Variable amino acid

<220>
 <221> MOD_RES
 <222> (15)
 <223> Variable amino acid

<400> 10
 Cys Pro Xaa Xaa Cys Xaa Cys Tyr Xaa Xaa Pro Xaa Xaa Thr Xaa Ser
 1 5 10 15

Cys

<210> 11
 <211> 50
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Consensus
 sequence

<220>
 <221> MOD_RES
 <222> (2)
 <223> Variable amino acid

<220>
 <221> MOD_RES
 <222> (4)
 <223> Variable amino acid

<220>
 <221> MOD_RES
 <222> (6)
 <223> Variable amino acid

<220>
 <221> MOD_RES
 <222> (11)
 <223> Variable amino acid

<220>

<221> MOD_RES
 <222> (14)
 <223> Variable amino acid

<220>
 <221> MOD_RES
 <222> (16)..(19)
 <223> Variable amino acid

<220>
 <221> MOD_RES
 <222> (21)
 <223> Variable amino acid

<220>
 <221> MOD_RES
 <222> (25)
 <223> Variable amino acid

<220>
 <221> MOD_RES
 <222> (27)
 <223> Variable amino acid

<220>
 <221> MOD_RES
 <222> (29)..(30)
 <223> Variable amino acid

<220>
 <221> MOD_RES
 <222> (32)..(35)
 <223> Variable amino acid

<220>
 <221> MOD_RES
 <222> (37)
 <223> Variable amino acid

<220>
 <221> MOD_RES
 <222> (40)..(41)
 <223> Variable amino acid

<220>
 <221> MOD_RES
 <222> (43)..(45)
 <223> Variable amino acid

<220>
 <221> MOD_RES
 <222> (47)..(49)
 <223> Variable amino acid

<400> 11
 Asn Xaa Trp Xaa Cys Xaa Cys Arg Ala Arg Xaa Leu Trp Xaa Trp Xaa
 1 5 10 15

Xaa Xaa Xaa Arg Xaa Ser Ser Ser Xaa Val Xaa Cys Xaa Xaa Pro Xaa
 20 25 30

Xaa Xaa Xaa Gly Xaa Asp Leu Xaa Xaa Leu Xaa Xaa Xaa Asp Xaa Xaa

Xaa Cys
50

<210> 12
<211> 196
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Consensus
sequence

<220>
<221> MOD_RES
<222> (2)
<223> Variable amino acid

<220>
<221> MOD_RES
<222> (5)..(6)
<223> Variable amino acid

<220>
<221> MOD_RES
<222> (8)
<223> Variable amino acid

<220>
<221> MOD_RES
<222> (10)..(16)
<223> Variable amino acid

<220>
<221> MOD_RES
<222> (18)..(25)
<223> Variable amino acid

<220>
<221> MOD_RES
<222> (28)..(29)
<223> Variable amino acid

<220>
<221> MOD_RES
<222> (32)..(35)
<223> Variable amino acid

<220>
<221> MOD_RES
<222> (37)..(40)
<223> Variable amino acid

<220>
<221> MOD_RES
<222> (42)..(46)
<223> Variable amino acid

<220>
<221> MOD_RES


```

<222> (49)
<223> Variable amino acid

<220>
<221> MOD_RES
<222> (53)
<223> Variable amino acid

<220>
<221> MOD_RES
<222> (56)..(57)
<223> Variable amino acid

<220>
<221> MOD_RES
<222> (60)..(62)
<223> Variable amino acid

<220>
<221> MOD_RES
<222> (64)
<223> Variable amino acid

<220>
<221> MOD_RES
<222> (67)
<223> Variable amino acid

<220>
<221> MOD_RES
<222> (70)..(71)
<223> Variable amino acid

<220>
<221> MOD_RES
<222> (73)
<223> Variable amino acid

<220>
<221> MOD_RES
<222> (75)
<223> Variable amino acid

<220>
<221> MOD_RES
<222> (77)..(78)
<223> Variable amino acid

<220>
<221> MOD_RES
<222> (80)
<223> Variable amino acid

<220>
<221> MOD_RES
<222> (82)..(83)
<223> Variable amino acid

<220>
<221> MOD_RES
<222> (85)..(88)
<223> Variable amino acid

```

```

<220>
<221> MOD_RES
<222> (90)
<223> Variable amino acid

<220>
<221> MOD_RES
<222> (93)..(94)
<223> Variable amino acid

<220>
<221> MOD_RES
<222> (102)
<223> Variable amino acid

<220>
<221> MOD_RES
<222> (104)..(107)
<223> Variable amino acid

<220>
<221> MOD_RES
<222> (109)
<223> Variable amino acid

<220>
<221> MOD_RES
<222> (112)
<223> Variable amino acid

<220>
<221> MOD_RES
<222> (114)
<223> Variable amino acid

<220>
<221> MOD_RES
<222> (117)
<223> Variable amino acid

<220>
<221> MOD_RES
<222> (120)
<223> Variable amino acid

<220>
<221> MOD_RES
<222> (128)..(136)
<223> Variable amino acid

<220>
<221> MOD_RES
<222> (141)..(142)
<223> Variable amino acid

<220>
<221> MOD_RES
<222> (150)
<223> Variable amino acid

<220>

```

```

<221> MOD_RES
<222> (152)..(155)
<223> Variable amino acid

<220>
<221> MOD_RES
<222> (158)..(159)
<223> Variable amino acid

<220>
<221> MOD_RES
<222> (162)..(163)
<223> Variable amino acid

<220>
<221> MOD_RES
<222> (165)
<223> Variable amino acid

<220>
<221> MOD_RES
<222> (168)..(169)
<223> Variable amino acid

<220>
<221> MOD_RES
<222> (171)
<223> Variable amino acid

<220>
<221> MOD_RES
<222> (174)
<223> Variable amino acid

<220>
<221> MOD_RES
<222> (176)
<223> Variable amino acid

<220>
<221> MOD_RES
<222> (178)..(179)
<223> Variable amino acid

<220>
<221> MOD_RES
<222> (181)..(184)
<223> Variable amino acid

<220>
<221> MOD_RES
<222> (187)
<223> Variable amino acid

<220>
<221> MOD_RES
<222> (189)..(190)
<223> Variable amino acid

<220>
<221> MOD_RES
<222> (192)..(193)

```

<223> Variable amino acid

<400> 12

```
Arg Xaa Phe Leu Xaa Xaa Asn Xaa Ile Xaa Xaa Xaa Xaa Xaa Xaa Xaa
 1          5          10          15

Phe Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Leu Trp Xaa Xaa Ser Asn Xaa
 20          25          30

Xaa Xaa Xaa Ile Xaa Xaa Xaa Xaa Phe Xaa Xaa Xaa Xaa Xaa Leu Glu
 35          40          45

Xaa Leu Asp Leu Xaa Asp Asn Xaa Xaa Leu Arg Xaa Xaa Xaa Pro Xaa
 50          55          60

Thr Phe Xaa Gly Leu Xaa Xaa Leu Xaa Leu Xaa Leu Xaa Xaa Cys Xaa
 65          70          75          80

Leu Xaa Xaa Leu Xaa Xaa Xaa Xaa Phe Xaa Gly Leu Xaa Xaa Leu Gln
 85          90          95

Tyr Leu Tyr Leu Gln Xaa Asn Xaa Xaa Xaa Xaa Leu Xaa Asp Asp Xaa
100          105          110

Phe Xaa Asp Leu Xaa Asn Leu Xaa His Leu Phe Leu His Gly Asn Xaa
115          120          125

Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Phe Arg Gly Leu Xaa Xaa Leu Asp
130          135          140

Arg Leu Leu Leu His Xaa Asn Xaa Xaa Xaa Xaa Val His Xaa Xaa Ala
145          150          155          160

Phe Xaa Xaa Leu Xaa Arg Leu Xaa Xaa Leu Xaa Leu Phe Xaa Asn Xaa
165          170          175

Leu Xaa Xaa Leu Xaa Xaa Xaa Xaa Leu Ala Xaa Leu Xaa Xaa Leu Xaa
180          185          190

Xaa Leu Arg Leu
195
```

<210> 13

<211> 1176

<212> DNA

<213> Homo sapiens

<400> 13

```
gagggcatcc ccgtggacag cgagcgcgctc ttcctgcaga acaaccgcat cggcctcctc 60
cagcccggcc acttcagccc cgccatggctc accctgtgga tctactcgaa caacatcacc 120
tacatccacc ccagcacctt cgagggcttc gtgcacctgg aggagctgga cctcggcgac 180
aaccggcagc tgcggacgct ggcacccgag accttcagg gcctggtgaa gcttcacgcc 240
ctctacctct acaagtgtgg gctcagcgcc ttgccggccg gcgtctttgg cggcctgcac 300
agcctgcagt acctctacct gcaggacaac cacatcgagt acctccagga cgacatcttc 360
gtggacctgg tcaacctcag ccacctgttt ctccacggca acaagctgtg gagtctgggc 420
ccgggcaact tccggggcct ggtgaacctg gaccgtcttt tgctgcacga gaaccagctg 480
cagtgggtcc accacaaggc attccacgac ctccgcaggc tgaccaccct cttcctcttc 540
aacaacagcc tctcggagct gcagggtgag tgccctggccc cgctgggggc cctggagttc 600
ctccgcctca acggcaaccc ctgggactgt gggtgtcgcg cgcgctccct gtgggaatgg 660
ctgcagaggt tccggggctc cagctccgct gtccctgtg tgtcccttgg gctgcggcac 720
ggccaggacc tgaagctgct gagggccgag gacttccgga actgcacggg accagcgtcc 780
```

```

ccgcaccaga tcaagtcaca cacgctcacc accaccgaca gggccgcccc caaggaacac 840
cactcacccc acggccccac caggagcaag ggccaccgc acggcccccg gcccggccac 900
aggaagcccg ggaagaactg caccaacccc aggaaccgca atcagatctc taaggcgggc 960
gccgggaaac aggccccga gctgccagac tatgccccag actaccagca caagttcagt 1020
tttgacatca tgcctacggc ccggcccaag aggaagggca agtgtgcccc caggaccccc 1080
atccgtgccc ccagcggggt gcagcaggcc tcctcgcca gttccctggg ggctccctc 1140
ctggcctgga cactgggggt ggcggtcact ctccgc 1176

```

```

<210> 14
<211> 392
<212> PRT
<213> Homo sapiens

```

```

<400> 14
Glu Gly Ile Pro Val Asp Ser Glu Arg Val Phe Leu Gln Asn Asn Arg
 1          5          10          15

Ile Gly Leu Leu Gln Pro Gly His Phe Ser Pro Ala Met Val Thr Leu
          20          25          30

Trp Ile Tyr Ser Asn Asn Ile Thr Tyr Ile His Pro Ser Thr Phe Glu
          35          40          45

Gly Phe Val His Leu Glu Glu Leu Asp Leu Gly Asp Asn Arg Gln Leu
          50          55          60

Arg Thr Leu Ala Pro Glu Thr Phe Gln Gly Leu Val Lys Leu His Ala
          65          70          75          80

Leu Tyr Leu Tyr Lys Cys Gly Leu Ser Ala Leu Pro Ala Gly Val Phe
          85          90          95

Gly Gly Leu His Ser Leu Gln Tyr Leu Tyr Leu Gln Asp Asn His Ile
          100          105          110

Glu Tyr Leu Gln Asp Asp Ile Phe Val Asp Leu Val Asn Leu Ser His
          115          120          125

Leu Phe Leu His Gly Asn Lys Leu Trp Ser Leu Gly Pro Gly Thr Phe
          130          135          140

Arg Gly Leu Val Asn Leu Asp Arg Leu Leu Leu His Glu Asn Gln Leu
          145          150          155          160

Gln Trp Val His His Lys Ala Phe His Asp Leu Arg Arg Leu Thr Thr
          165          170          175

Leu Phe Leu Phe Asn Asn Ser Leu Ser Glu Leu Gln Gly Glu Cys Leu
          180          185          190

Ala Pro Leu Gly Ala Leu Glu Phe Leu Arg Leu Asn Gly Asn Pro Trp
          195          200          205

Asp Cys Gly Cys Arg Ala Arg Ser Leu Trp Glu Trp Leu Gln Arg Phe
          210          215          220

Arg Gly Ser Ser Ser Ala Val Pro Cys Val Ser Pro Gly Leu Arg His
          225          230          235          240

Gly Gln Asp Leu Lys Leu Leu Arg Ala Glu Asp Phe Arg Asn Cys Thr
          245          250          255

```


<222> (22595)..(22694)
 <223> a, t, c, g, other or unknown

<220>
 <221> modified_base
 <222> (27825)..(27924)
 <223> a, t, c, g, other or unknown

<220>
 <221> modified_base
 <222> (34953)..(35052)
 <223> a, t, c, g, other or unknown

<220>
 <221> modified_base
 <222> (40783)..(40882)
 <223> a, t, c, g, other or unknown

<220>
 <221> modified_base
 <222> (49000)..(49099)
 <223> a, t, c, g, other or unknown

<220>
 <221> modified_base
 <222> (62884)..(62983)
 <223> a, t, c, g, other or unknown

<220>
 <221> modified_base
 <222> (75528)..(75627)
 <223> a, t, c, g, other or unknown

<220>
 <221> modified_base
 <222> (87944)..(88043)
 <223> a, t, c, g, other or unknown

<220>
 <221> modified_base
 <222> (111030)..(111129)
 <223> a, t, c, g, other or unknown

<400> 15
 aagcacatac aggtgacatt acagaactga cagttatgcc aggcactgta cttagcccct 60
 ataccatcct caaacagctg tatgatgtag attgggtatt aacccatta ataacaaaag 120
 tacaggggaac aaagtgactt tccaaaggctc atgccattca aaggaggggtg aatccttaggt 180
 tggacgcagg ctgtctgact ctggagctctg aggtgttaat gctgcctcct ccatgggaac 240
 agcccaagtg aaaaacagct gatccactct tcatttactt ggcacatctgtg ctaagctgggt 300
 ccctgagcca agctctgagc aacagaaaaca gaagctctgc attaggagct tgtgagcatg 360
 tcaatgcccg gtaaaggagt gctggaaacc gctgggatgg ccgccgagca ctaggccgtt 420
 gaaggtgggc tctgtgtgac tggttcctct acactctggc ctggctgcct gcaggaagaa 480
 gatcaagctg agtgggctgg ccctggacca caaggtgaca ggtgacctct tctacacca 540
 tgtgaccacc atgggccaga ggctcagcca gaaggccccc agcctggagg acggttcgga 600
 tgccttcacg tcaccccagg atgttcgggg cacctcagaa aaccttcctg agagtgagtg 660
 tctgggtcaag gtgccggcct tgggggatag tgatgggtgg tcctcatatt cagttagcac 720
 tcatggttga gtattttatt gcacccctct tcagtcctta caacacccca tgatgtaggt 780
 ggggcattgt cctcatttac agatgggcac atcaaagctc agctaacgct gggaagttca 840
 gattcagggt taccctgctg gattcctggg attggggagg gaggagcttc caaaatgggg 900
 acaaggtctc tgggcctgtc gggtagctgg tttcctcagg gcccttgca acctctgagc 960
 ttattgcac aggtgcagcc agggccgtga gcctcctggc aggggtcctc cacacctggc 1020
 tgtcttttgc ccctgctgg tcacaggagg agctgcagca cctgcctggg ctgcttctca 1080

| | | | | | | |
|-------------|-------------|-------------|------------|-------------|-------------|------|
| ggaggggtaca | tgaagatccc | aggaccgcca | gctccatgat | aagtgggaagg | agctccttgg | 1140 |
| agtccaggagc | gggagttgag | gagtttgagt | cctgctctcc | agttataggc | tatgtgactt | 1200 |
| gtgtagatca | cctaacccttg | ctcttgattt | ccttacctct | taaactagca | ctaaaagcac | 1260 |
| ccacaaaact | gtaaagttag | ttgtgatgat | tgaatgacac | catgggtgtg | gaagctcttt | 1320 |
| gtaaagtgca | aaacgggtgtg | cagtttgagg | gtggttaccc | ccagtgccga | ttctcagagg | 1380 |
| gcaacatggc | taagggcacg | agctggagtt | aggctgacct | gctgcttcca | gccctgtgag | 1440 |
| cttgagcaag | tcattttaact | tcctgagctg | cagtttcctc | atcagtaaaa | tgtgataaag | 1500 |
| atagggttgt | tgtaagattt | tattaaatgg | ggtaataaat | gtcaagtatg | tagcccatag | 1560 |
| tgagtgcctc | agagtttttt | tcttttgttt | ctttccccc | cgccccgaga | tggagcctta | 1620 |
| ctctgttgcc | caggctggag | tgcagtggca | tgatcttggc | tcactgcaac | ctccgcctcc | 1680 |
| cgggttcaag | caattctcct | gcctcagcct | cccaaatagc | tgggactaca | ggcgtgcacc | 1740 |
| accatgctcg | gctaattttt | gtatctttag | tagagacggg | gtttcaccat | gttggccagg | 1800 |
| ctggctctcg | actcctgacc | tcctgatgct | cctgcctcag | ccccgaaag | ttttgggatt | 1860 |
| acaagtgtga | gccccgtgc | cctgccaggt | tttttttttt | tttttttttt | tgtaaaacac | 1920 |
| ccacagggtg | ttgctgttgc | ctgggctgga | gtgcggtagt | gcaatcatag | ttcactgcag | 1980 |
| ccttgacctc | ctgggctcaa | gtgatcctcc | tgccctcagc | tcctgagtag | ctgggaatac | 2040 |
| aggnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | 2100 |
| nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | 2160 |
| agacagggtt | ttcccaatgt | tggccaaggc | tggtctaaaa | ctcccaacct | cagggtgatcc | 2220 |
| accacactca | gcctcccaaa | gtactgggat | tacaggcgtg | agacaccgtg | cccagccagg | 2280 |
| aggcttattt | ttcttgataaa | ttaccacagt | tcaggatttt | ctctacagcg | atgcaagaac | 2340 |
| agcctaatac | atccaggctc | agcatcagtg | gaccacagtg | ggagagctta | agatgtcaag | 2400 |
| gtctgaatgc | cgcttccaca | cacctttggg | acctagggac | tcctctctct | ttctcttttt | 2460 |
| cagtagaaga | tgttatcttc | tcctttctct | gaccagtagt | tggtgatggg | ttcagagata | 2520 |
| gtttttcagt | caagatatat | ttcagtggct | tcactgagcc | caagttccct | cgcctctcta | 2580 |
| ggactttatt | tccttgtttc | tagaagaggg | ataacacata | ttttctaagg | tgggtgtgag | 2640 |
| attaagggag | ctgggtaccg | gtgggtgcata | aggacaggat | agagcaatgg | tgagaccact | 2700 |
| caaaaagcga | aaagttgacc | tgcgaggggt | acacttatca | aatcagcaca | cagtgggagt | 2760 |
| ggaaggaatg | tcctctcatca | gttacaatat | ttggagagtg | caagttatag | aaaaccagc | 2820 |
| cctggccggg | cgcggtgggt | catgcctata | atccagcac | tttggggagg | tgaggccagt | 2880 |
| ggatcacgag | gtcaggagtt | caagaccagc | ctgaccaacg | tgggtgaaacc | ccacctctac | 2940 |
| taaaaatata | aaattagctg | ggcggtgggt | tgtgtgcctg | taatctgagc | tactcaggag | 3000 |
| gctgaggcac | gagaatcact | tgaaaccggg | aggtggagtt | tgcagtgagc | cgagatcgca | 3060 |
| ccactgcact | ccagcctggg | caacagagcg | agactccatc | tcaaacgaaa | aaaaaaaaag | 3120 |
| aaagaaaacc | cagctctaac | tggcttaaac | agtaagaaga | tctattatat | tatccatctc | 3180 |
| aggcagcagc | aagcccagag | gtaggggact | ccaaggttgg | ttgatccagg | gcttaacgat | 3240 |
| gtcatcaaag | accagggttc | tttctgtctc | ggcacctctg | tctgcagggc | cagcttcctc | 3300 |
| ctaagccaga | ttgttcttgt | cttgattaca | agttggctgc | tgggccagca | gacgctgcct | 3360 |
| gcctccctgt | tcctcttcag | aagtagaaa | tggcccttcc | ccagtcatgg | aatgaaagag | 3420 |
| tttctttctt | gtctgggatt | gcttaggtcc | acccacctga | agccaatgac | tgtcaccagg | 3480 |
| aaggtaatat | acactgattg | tcttaagtca | gggttcctga | gccagtcttg | ggcaaggagt | 3540 |
| gtgatactgt | catgattgtc | ttgggctcat | cagggcagct | ctgcagatga | gatcaaaact | 3600 |
| caagctacat | tattctgaac | agtgggaagt | aggaaagaga | catttttgga | gatacaaaac | 3660 |
| acaatgtcta | tcccatatcc | ctaggtccag | gtcacagtgt | cttgggttga | catcaaattgt | 3720 |
| agaaaaagaa | agactgtcca | tccatttatc | tacctattca | tctgggtttt | gatttttttt | 3780 |
| aaatttttatt | ttaagacatt | ctcactctgt | caccagact | ggagtgcagt | ggtttgatca | 3840 |
| tggctcatgg | cagcctcaac | ctcccaggct | caagtgacct | tcccatgctc | aagtgatcct | 3900 |
| cctacctcag | cctcccaagt | agctagaact | aaaggtgcac | gccaccacgc | tcagttaatt | 3960 |
| tttgcatttt | ttgtagagat | ggggtttcgt | catgatgccc | atgctagtct | ggaattcctg | 4020 |
| aactcaagca | atatgcctgc | ctttgcctcc | caaaatgctg | ggattgtagg | catgagccac | 4080 |
| tgctcctggc | tcctctgttt | aataatttat | gaaacaacta | ctgggtgctg | agcacggggc | 4140 |
| caggggctgg | agatctagca | gggaccaggc | agatctctgc | caagtcgttg | gtttcttaaa | 4200 |
| ggttttgtct | ataattcccc | ttttcttttc | tctttcgttt | ttttcttttt | ctttctttct | 4260 |
| ttctttcttt | tttttttttt | gagacagagt | ctcactctgt | taccagggct | ggagtgcagt | 4320 |
| ggtgcgatct | cagctcactg | caacctctgc | ctcctgggtt | caagcgattc | tcctgcctca | 4380 |
| gcctcccag | tagctgggac | tacaggcgcc | tgccaccatg | cccggcta | ttttgtgttt | 4440 |
| ttagtagaga | ctgggtttca | ccatattggc | caggctgggt | ttgaactcct | gacctgttga | 4500 |
| tccgcccgct | tcggcctccc | acagtgcctg | gattacagcg | gtgagccacg | gcgcccagcc | 4560 |
| agtttccctt | ttcaatgagg | cctccctgac | ctccatactc | tactcctcca | cctggcccac | 4620 |
| tcagctctac | tttttcttcc | ccatagcact | caagacctcc | taacatacta | cgtaagttat | 4680 |
| ttatttacta | ggcttactgt | gtattgtctg | tcttctctca | ctagaatgta | aactccatga | 4740 |
| gaatagaaat | ttttgccttt | ttatttagtg | tggtgtctgc | agcccctggc | ttagtccctg | 4800 |

| | | | | | | |
|-------------|-------------|-------------|-------------|-------------|-------------|------|
| gcatacaaca | gtcactccac | ccacagttgc | tgaataagtg | actaaagggtc | cctgccctca | 4860 |
| tattgtttatg | agggagtggtg | catgttggtta | gagaaaaatc | tgaggcacaa | taaaatttta | 4920 |
| tagagtttaa | gttttctttt | ttaagcaatc | cacgaattgg | ggtagtttca | gaggtagttt | 4980 |
| ttcagtcatg | acgtatttca | atggcttcac | tgagcccaag | ttctttcacc | tctctaggac | 5040 |
| tttatttcct | tatttctaga | acggggataa | cacatagttc | ataaggcagt | tatgagagta | 5100 |
| agggagctgg | tatgggggtga | tgcataagga | caggatagag | cagtgggtgag | accgctcaga | 5160 |
| tgacaaagcg | tcagagacca | gtattttacga | cggaaatgtg | gaagcatgat | aaagaaatta | 5220 |
| tttgggctgg | gcacaatgac | tcacaactaa | taaaactttg | ggaggccaag | gtgggaggat | 5280 |
| cacttgactt | gcagaagggtc | aaggctgcag | tgagctgtga | ttttgccact | gcactccagc | 5340 |
| ctgggtcaaca | gagtgagacc | ctgggtcgaa | acgttattttg | attgggttaca | gtttatacagt | 5400 |
| tgcccttattt | gggtctattcc | atttgaaagt | tcctagttct | ataattttta | gtttgttggc | 5460 |
| tgtttctgat | tggttaagct | taagttttgt | tttcctttta | tacagttaag | tgccccataa | 5520 |
| tgacattttg | gtcaaggaca | gaccacatat | acagtgggtg | tcccataaga | ttataatgga | 5580 |
| gctgaaacat | tcctattgtc | tatggcgtag | tggtcctgat | gttgtagcgc | aatgcattag | 5640 |
| ttatatgttt | gtggcaatgc | tggtgtaaac | acacctactg | cactgccagt | gatataaaag | 5700 |
| aatagcacat | acagttatat | atagtacata | atatctgata | atgataatac | ataactatat | 5760 |
| tactggttta | tatattttact | atattatttta | tctttattttt | atttttgaga | cagagttctca | 5820 |
| ttctgtcacc | caggctggag | tgcaagtggcg | cgatcctggc | tcaccgcaac | ctccgcttcc | 5880 |
| tgggttcaag | tgattctcct | gcctcagttc | cctgagtagc | tgggattaca | ggtgtgcacc | 5940 |
| atgacaccct | gctaatatgt | tttgtattttt | tagtagagat | ggggtttcac | catgttggcc | 6000 |
| aggctgggtc | tgaactactg | acctcaagtg | atcacccgcg | ctcggcttcc | caaagctctg | 6060 |
| ggattacagg | cgtgagccac | cacgcattgg | ctattttata | ttattttaga | gtgtacgcct | 6120 |
| tatacttata | aaaaaaagct | aactgtcaaa | cagcctcggg | caggctcctc | aacagatatt | 6180 |
| ccagaagaca | ttgttatcat | aggagatgac | agctccgtgc | atattattgt | ccctgaaaac | 6240 |
| cttctagtgt | ggaagtggaa | gacagtgata | ttgatgatag | gacccagtgt | aggcctaggc | 6300 |
| taatgtgtgt | gtttgtgtct | ttgcttttaa | caagaaagtt | taaaaagtta | aaataaaata | 6360 |
| caaaaatttt | taaatagaaa | aaagctgccc | aggaacaatg | gctcacacct | gtaatcccac | 6420 |
| cattcgggga | ggccaagggtg | ggtggattgc | ttgagctcag | gagttcaaga | ccagcctggg | 6480 |
| caacatggtg | aaaccccatc | tctacaaaaa | atacaaaaat | tagccgggtg | tgggtggcatg | 6540 |
| cggctatagt | tccagctaata | cgaggggctg | aggtgggagg | atcactgggg | gggagggtgt | 6600 |
| tgaggctgna | gtgagctgtg | attgnnnnnn | nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | 6660 |
| nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | 6720 |
| nnnnnatattc | ttaaaaaaat | tttttttttat | ttttgagaca | gaattttctc | cttggttggcc | 6780 |
| aggctggagt | gcaatggcgc | tatctcagct | cagggcaacc | tccacctcct | gggttcaagc | 6840 |
| gattctcctg | ccttagcctc | ccaggtagag | gcgcccgcga | ccatgctcgg | ctaatttttg | 6900 |
| tatttttagt | agagatgggg | tttcaccatg | ttgtccaggc | tggtcttgaa | atcctgcctc | 6960 |
| aggtgatcca | ccccctcgg | cctcccaaag | tgctggaatt | tacaggcgtg | agccactgtg | 7020 |
| cctggcctcc | tttacatttt | tttaaattta | attttaattt | tttaattttt | aattttctcat | 7080 |
| atatatatat | ttttaagact | agccaagtga | agcagtggga | gtggaaaagg | aactgggttt | 7140 |
| gatcaatagg | tgtaaacacc | actgcactgg | gaccagccta | ttttacattc | ctgttagcag | 7200 |
| tgtatgagggt | tcactttctt | tgtagcctca | acaatatgtg | tcgttgccca | tctttttttt | 7260 |
| tttttttttt | tttttttttg | agatggagtc | tcactctgtt | gcctaggctg | gaatgcaatg | 7320 |
| gcatgatctc | agctcactgc | aacctccgcc | tcccaggttc | aagtgattct | tgtgtctcag | 7380 |
| cctcctgagt | agatgggatt | acaggcgtcc | accaccacgc | ccggctaatt | ttttgtattt | 7440 |
| tcagtagaga | tgggggtttca | ccatgttggc | caggttggtt | tcgaactcct | gacctcaagt | 7500 |
| gatccgccca | cctcggcctc | ccaaagtgtc | gggattacag | gcatgagcca | ccgcgcccg | 7560 |
| cctgcccatc | ttttttttgt | tatagccatc | ctagtggatg | taaagttttt | ttgtgatttt | 7620 |
| gatttgtgtt | tccttactga | tcaatgatgt | tgagcatctt | ttcctgtgct | tattggcttt | 7680 |
| tggtatatct | ttggagaaag | gtctattcag | gtcctttgce | cactttaaaa | ttaggttatc | 7740 |
| tttctattac | tgagatgtaa | gagttcctta | tgttctagat | ataagtctcc | tacatatgat | 7800 |
| ttgtaaaaaat | tttccttcca | ttattgggtt | gtctttcact | ttcttttggg | gtccttttagt | 7860 |
| gcacaacagt | ttttaatat | gaagtccaat | tttctatttt | tctcttttgc | cacttgtatc | 7920 |
| ttgggtgtcat | gtttaaggaa | ctattgccta | atctcaggte | acaaagattt | acacctgtgt | 7980 |
| ttcctttctt | ccttccttcc | ttccttcctt | ccttctttcc | ctccctccct | ctctccctcc | 8040 |
| ctccctctct | ccctccctcc | ctccttcctt | tcctccctcc | ctccctccct | ccttccttcc | 8100 |
| ttccttcctt | ccttccttcc | ttccttcctt | ccttcctttg | tccttctgac | ggaatcttgc | 8160 |
| tctgtcacc | aggtctggagt | gtagtggcac | gatcttggct | cactgcaacc | tctgcctcct | 8220 |
| gggttcaagc | aattctcctg | cctcagcctc | ctgagtacgt | gggactacag | gcacacacca | 8280 |
| cagtgcccag | ctaatttttg | tatttttagt | agagacgggg | tttcaccaca | ttggccagga | 8340 |
| tggtttcgat | ctcctgacct | cgtgatccac | ccgccttggc | ctcccaaagt | gctgggattg | 8400 |
| caggtgtgag | ccaccatgcc | cggcctgtgt | tttcttagag | ttttgtagtt | ttagctctta | 8460 |
| tagttagatc | cttgatccat | tttgagttga | ttttgtatat | agtgtgagat | atccacctgg | 8520 |

| | | | | | | |
|------------|------------|------------|------------|------------|------------|-------|
| tgttgtaa | tgcccaga | tgggtatg | tctaaatct | gctgttag | attactaga | 8580 |
| gtgaccaa | tgaat | ctttgtt | ttttttt | ggagacaga | tctccgtc | 8640 |
| ccaggctg | gtgcaatg | ttcatctt | ctcagtgca | cctctgcct | ctgggttca | 8700 |
| gcagttct | tgccctcag | tccctgag | ctggtatt | aggcgtgt | caccatgct | 8760 |
| ggctaatt | tgtat | gtaaagat | agtttcac | gttggccag | cttttctg | 8820 |
| actccggc | tcaagtga | catctgc | tacctcc | agtgcctg | ttacaggt | 8880 |
| gagccacc | gcccagtc | tttctcag | tttattgt | ttttttgt | ttgtttcat | 8940 |
| tttgagata | ggtctcact | tgtcagct | gcaggagt | agtgggtg | tcattgctg | 9000 |
| agccttga | ttctggact | acgtgatc | cccacctc | cctcctgag | agctaggat | 9060 |
| acaggcat | gcttccac | ctggcta | ttttaatt | ctaggact | tttgtccat | 9120 |
| cttgcaa | agggataca | atgcctat | ctacctac | ctcttccct | caagggact | 9180 |
| cagccaaa | ccttgagg | ctcgggct | ctgtgggt | tgttgccct | tctgcctc | 9240 |
| tcatgctg | tgatcaaa | tgtccgtt | ctgcttct | gaactttat | cactttgg | 9300 |
| gtcagtc | ctctgcag | tcccaaga | acagaatt | accagga | tgtgttgcc | 9360 |
| tagtgtgt | aaagaggc | acttcca | ccgctatg | ctgttggg | attgaagct | 9420 |
| aattttct | ctatcttt | ttctttct | ttcttttt | ttttttgg | atggaatc | 9480 |
| gctctgtt | ccaggctg | gtgcagtg | gcgatctc | ctcactgca | cctccgcct | 9540 |
| ccaggttca | gcgattct | tgcctcag | tcctgagt | ctgggatt | aggtgcat | 9600 |
| caccatgccc | ggctaatt | tgtaat | gtagaaac | tgtttacca | tattggtc | 9660 |
| gctggctct | acctcctc | ctcaggtg | ccacccgc | tggcctcca | aagtgtcgg | 9720 |
| attacagg | tgagccacc | tgcctggc | ttaatttt | taataacct | attacccat | 9780 |
| atggtaaaa | gggactagt | atccatac | tatagcgt | ttgtgaaa | gaaatgagg | 9840 |
| taagcagata | aaatttcag | ctacggat | gattgttact | acattctga | cctggcttt | 9900 |
| ctgttat | ctatgtgac | ttatcttct | tggatctcc | ttctttcca | gtctataaa | 9960 |
| caaagtgg | aattgtca | ctttcttcc | aagagcaat | atttaagg | caaatgat | 10020 |
| catttaaca | aaatatga | agctcaaca | atgagga | cattattat | attacaatta | 10080 |
| ttattat | agaaatagg | tcttgttct | ttgcctagg | tggagtcc | tggatataa | 10140 |
| acagctca | gcattctc | cctcctgg | acaagtga | ctcatgtct | atcccccta | 10200 |
| gtagctgg | ccacaggc | gtaccacc | gcacggcta | ttttttatt | tttattttt | 10260 |
| ttttttg | cagtcttgc | ttgtcgcca | gactggagt | cagcagcgc | atcaccgct | 10320 |
| actgcaac | ccgcctcct | ggttcaagt | attctgctg | ctcaacctc | caagtgcct | 10380 |
| ggattacag | ctgtgccc | catgcccgc | taatttttt | gtatttttg | taaagacgg | 10440 |
| gtttcacca | gttgcccag | ctgatctag | acccctggc | tcaagtga | cccccttct | 10500 |
| ggcctccta | agtgcctag | ttacaggc | gagcctctg | acctggcct | ggctaattt | 10560 |
| ttatttttt | tagagacag | ttctcact | gttgccagg | ctggctctg | actcctggg | 10620 |
| tcaagtga | ttcccacct | agcctccca | agtgcctga | ttacagat | gagccactg | 10680 |
| gcctggcct | gaactcatta | ttgaagcatt | cactagtat | aactttggg | ttacctggc | 10740 |
| acatcctct | acctacctat | aagggtat | cagctaacc | agcctctgt | tctcagaat | 10800 |
| taggcaga | cagttcaatt | tatcacaac | tactctatat | ccagcataa | tgcccaata | 10860 |
| aaacaattg | taaagtctt | taggcattt | ctggttgta | gttagatatt | tagtcctc | 10920 |
| tacaaatct | tgatacagg | attattttt | ttaaccccat | tttataga | agaaacctg | 10980 |
| agctcagag | tgtcaagta | cttgtgca | gtcacacag | tagtaaata | agggcagag | 11040 |
| aaagatttag | tttcacattg | gactccag | cctttctact | gggactcat | ggaatagt | 11100 |
| ggatgtcc | gaccttcagt | ggcccaggg | tctcctggg | gaatccagc | atagacaag | 11160 |
| caccagcg | agcccaatc | taagatttt | tttgtttgt | tttgagaca | ggtctcact | 11220 |
| tgtcaccag | ctggagtgc | gtggcatgat | caatgctc | tgcaacctg | atctcccag | 11280 |
| ctcaagca | cctcccacct | cagcctcct | agtagcttg | actacagg | cacaccacca | 11340 |
| cacctgact | at | tttattt | taattact | ctattattt | ttgagacag | 11400 |
| gtatcact | gtcacc | ctggactgc | atgggtgtg | ctcagctcat | tgcgtcctc | 11460 |
| acctccagg | ttcaagtga | cctcccacct | cagcctctg | agttgcagg | actgcagg | 11520 |
| tgcgccact | tgetcagct | atgtttttt | tttttgtata | gatggggtc | cactatgtt | 11580 |
| ccagggctag | tctcaaac | ttggactca | gcgatcctc | tgtcttggc | tcccaaagt | 11640 |
| ccgggattac | aggcataa | caccacac | aaccctaag | gtgtttttg | tgaatgtg | 11700 |
| catgtcag | gcaggaaag | gaagcatcat | gggttagga | aagggaact | gagcaggg | 11760 |
| acaaagaaa | tgggatcatt | ttgtgagt | tcgctgtgt | tgtatgtgt | acaattctc | 11820 |
| gagccagc | ctcaggtg | tgagacc | gtccccatt | cccagatga | ataatggag | 11880 |
| ctcagagag | ttctgcag | cagctagt | aattagaat | tgaacccgc | tcttccag | 11940 |
| tccaggtg | tcacaacc | cccaaacct | gtcatttgc | gtttacct | atgatttt | 12000 |
| catttccct | tgccatag | agtgttatt | cttaataat | tccttttg | tcagtctgc | 12060 |
| taaaaaaaa | tgacttcatt | ctaaagtgt | atattcttg | aatatcggt | ttgctgttac | 12120 |
| ccaccccc | acgttataca | tatacatgt | tgtttcta | acatatatat | gtacgtatat | 12180 |
| acgtgtat | ttttttgt | tttttttgt | tgttgttag | tttttttag | tggagtctc | 12240 |

| | | | | | | |
|-------------|-------------|-------------|-------------|-------------|-------------|-------|
| ctctgtagcc | caggctggag | tgcagtgggtg | tgatttcggc | tcaactggaac | ctctgcctcc | 12300 |
| tgggttcaag | cgattctcct | gcctcagcct | ctggagtagc | tgggattaca | ggcaccacc | 12360 |
| actacaccg | gctaattgtt | gtattttttag | tagagacagg | gtttcaccat | gttggccagg | 12420 |
| tgggtcttga | actcctgac | tcaagtgatc | cacctgcttt | ggcttcccaa | agtgtctggga | 12480 |
| ttataggtgc | gagctactgc | ggctggccaa | tgtatgtttt | taatacacat | tcaaataacg | 12540 |
| aataactatg | aaacctgaaa | aactgctcca | tgttacttcc | tgaaccctac | ttgagtgtct | 12600 |
| acatgctgtg | cataccacat | attgggaaac | actgctttcc | ctggcttcca | agcccagctt | 12660 |
| aatcactgtc | ccatcctatg | cttcgcttta | tttgtctata | aatggtgggg | ttgggggttg | 12720 |
| atgccaaaga | cctttttctgt | tgtcattaac | atggacacag | ctctaagagg | tcttggcatc | 12780 |
| ttgggctggc | tctcctttta | gttcagaatt | tggattttta | tccaactact | cagagtgtac | 12840 |
| aagccttcct | tatgaatgaa | ctcgttggtc | aaactcataa | aaggctgtac | gataaaacag | 12900 |
| gaatgaatgt | atgaattgac | actaagtcac | tagcatttca | cgggaatgga | ttctccgtta | 12960 |
| gtggaagagc | acatgtcctt | tctggcactg | atgtgtgctt | gggaaactta | ctgagctaac | 13020 |
| tggcccatgt | aacacagagg | cccttttggtg | cagtggaaaa | ctgttgactt | tggagattat | 13080 |
| cttgagtttg | aatctgagcc | tgcctgtaag | aagctggcta | actgaattgc | tttgcttctt | 13140 |
| ggacccttac | cattttataaa | atggggacca | ttgtactcac | cctttagggt | tattgcatgg | 13200 |
| attaaatggg | attctctata | gaaaatattg | gcacaaagta | ggtgtaaatt | tgcacgctag | 13260 |
| tgggattgtt | tgtgagggaa | attgtcattt | gattatcaaa | gacttaggag | caggaacagt | 13320 |
| gtctaattca | gggactgcaa | atggaaatgc | cagctgaggc | caggcatttg | ctaataattg | 13380 |
| ggtaaagcag | ggcaggtgta | gaatagcaat | gtctgggaat | taaaagagag | gtgaggacgt | 13440 |
| gtctgacctt | gagaaggcaa | gccctggcaa | aaggggatgg | cctccactca | gctacagtca | 13500 |
| tgcctagatc | ttctaacttt | ttattttttt | ttttattttt | tgagacggag | tcttgctctg | 13560 |
| tcacccagcc | tggagtgcag | tggcgcgac | tggctcact | gcaagctccg | cctcccgggt | 13620 |
| tcacgccatt | ctcctgcctc | agcctcccaa | gtagctggga | ctacgggcgc | ccaccaccat | 13680 |
| gcccggctaa | tttttttttt | gtattttttt | tagagatggg | gtttcaccgt | gttagccagg | 13740 |
| atggtctcga | tctcctgact | ttgtgattta | ccctccttgg | cctcccaaag | tgctgggatt | 13800 |
| acaggcttga | gccaccgcac | ctggccgac | ttctaacttt | ttaaagagaa | gcaagacatc | 13860 |
| tggattttta | tgtgataact | cctgattttt | aactggcacc | caattataat | ttacaacact | 13920 |
| ataagggctca | acattgccag | cagagcaaaa | catgggtggg | ggcaactgct | ggtcaccggt | 13980 |
| gtgcagcctc | tgggtctaaaa | tcattctttgt | atttcttctt | gctttacgca | ttgtcccagc | 14040 |
| acagtgtctg | tgtatagtaa | atatccagta | agtgggtgta | gaatgaataa | accaatgcag | 14100 |
| ataaacctgt | agagaggccg | ggcacagtgt | ctcatgtctg | taatctcagc | acnnnnnnnn | 14160 |
| nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | 14220 |
| nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | 14280 |
| gggtagatca | cctgaggtca | ggagtccaag | accagcctgg | ccaatatagt | gaaaccccgt | 14340 |
| ctctacaaaa | ataaaaaaat | tatctgggca | tgattgcagg | tgctctaat | cccagctact | 14400 |
| cgggaggctg | aggccggaga | attgcttgaa | cctgggaggc | ggaggttgta | gtgagccgag | 14460 |
| atcatgccat | tgcactccag | cctaggtgac | ggagcaagat | tctgtctcaa | aaaaaaaaaa | 14520 |
| aaaaaaaaag | aaaaaaagaa | agaaaaagaa | acaatgaatg | agtgtgaggc | tcattggtagt | 14580 |
| attggttcct | gagagttagc | aaccttattg | gtcatccag | ccacgaagtg | aaatgggtacc | 14640 |
| cctggcttgg | gccaatgaat | gaggaagaat | aatggcaaat | gggggtctat | gcctccaccc | 14700 |
| tccaccacta | gggaggtctc | aagcttgaaa | tccagtgaac | agggttttag | gtcctggacc | 14760 |
| tggccagtcc | tctacagtc | aagtagataa | gtggaggggt | tgggtcgttg | ggctacggag | 14820 |
| atagtgatca | aggccgttac | tctgcaatca | gactcagaaa | tggcctctca | gttacttctc | 14880 |
| catttggtgg | tcttttgtaa | gagcagagaa | gaggaaggaa | tttaggtctt | ctcaccctct | 14940 |
| gggctgcctg | tccctgctcc | ctgagccatg | gagggctggg | gtggaatatg | gggaataaat | 15000 |
| ctgtactttt | tttttttttt | tttttttgaga | cagagtctcg | ctccgtcgcc | caggctggag | 15060 |
| tgccgtggcg | tgatctctgc | tcacagcagc | atctgctctc | cgggttcaag | ttattcttcc | 15120 |
| acctcagctc | cctgagtagc | tgggattaca | ggtgcccacc | accacgcccg | gctaattttt | 15180 |
| gtattttttag | tagagacagg | gtttcactgt | gttgggcagg | ctgggtctcaa | atacctgacc | 15240 |
| tcaggtgatc | caccgcacac | tgcttcccaa | agtgtggaa | ttacaggcat | gagccaccgt | 15300 |
| gcccgttcct | accaatctgc | acattttta | tgacaagggt | caccctccac | tcattgtgcca | 15360 |
| ggcatagttc | tgagaagcat | cccacaagga | tgctctgag | ttcaccctga | caagtccact | 15420 |
| agctcttggc | agagacatct | ggcaaatcca | aggcttgaga | catgctggcc | tctctttaaa | 15480 |
| gtgcagcaaa | ttttgtctag | agcttggtca | gttaaaattt | tgatgttttg | ttttgcatta | 15540 |
| atttcaattt | ttaagaaatg | ttgcattaaa | atgttatatta | tcttgaatag | taaatttctt | 15600 |
| agtgtccctt | taattttctt | gtgtgtctga | gttgagagcc | tcccctgctt | gattctagtc | 15660 |
| cagaccctgg | ggtgacagaa | gactggtggg | agatgggagg | tgaggagggg | agtgttgggt | 15720 |
| ggagaggatg | tgtacagag | tgctggagag | actctgtatg | gagcttttca | tgctgcctgt | 15780 |
| ttgccagccc | tgaagctatg | ccttgagggt | gggcaagggt | gcataatccta | gatcagagat | 15840 |
| cctcaactgg | ggccattttt | ctccccagag | gacatttgga | aacatgtgga | gacatttttg | 15900 |
| atcatctgcg | gggggtgggga | gaggggctac | tgacatctgg | tgagtagaga | ccagagggac | 15960 |

| | | | | | | |
|-------------|-------------|-------------|-------------|-------------|-------------|-------|
| cattaaactt | tctacaacgc | ccaggacagc | ccctccacaa | taaagagtta | tttgacctca | 16020 |
| catattaata | gcacaaagtt | gaggaacctt | gatctagatc | cacagcacag | aagaaaggat | 16080 |
| gtagattttt | cacacattaa | agatgagaaa | gcttgtgcct | gtaatccctg | tgactcagga | 16140 |
| ggctgtggca | ggaggattac | ttgagcccag | gaattcaggg | ttacagtga | ctatcatcgc | 16200 |
| agcactgcac | tccagcctgg | gtgacagagc | aagattttgt | ctcttaaaaa | aaaaaaagat | 16260 |
| gaggacaggc | acagtggctc | atgcctgtaa | tcccagcatt | ttgggaggcc | gaagtgggtg | 16320 |
| gatcacgagg | tcaggagttc | aagaccagcc | tggccagcat | agtgaacccc | catctctact | 16380 |
| aaaaatacaa | aaaatttagcc | agctacttgg | gaggctgagg | caggagaagc | gcttgaaccc | 16440 |
| gggaggtgga | gcttgcaagt | agccaaaaatc | ttgccattgc | actccagcct | gggcgacaga | 16500 |
| gcaagactcc | gtctcaaaaa | gaaaaaaaaa | aaagatgaga | aagaggaagg | gagagaaaaa | 16560 |
| agagagagag | gaaagaaaga | gagaaggttt | tggagtcaaa | aagacttaga | aattccagtt | 16620 |
| cttccacttc | ccatggaacc | ttggcaagtt | gccttctctc | tttctctgaa | tctcacattt | 16680 |
| tgctctgtg | aagtaggggt | ggtacctggt | ggagatgatg | cggagatgag | ggtgaggggt | 16740 |
| gtgttgacac | ctatgcccct | aggatgggtg | agagcttggg | agcactgaac | ctccctttcc | 16800 |
| cctcttgttt | cttcccccca | ttgtctccca | ccagctccct | gggatctcca | cttcaacttc | 16860 |
| tgggattcca | ccagcaggag | gctactcctg | gagttaaggc | gtgttgttca | gactggggca | 16920 |
| ttttaggggg | cataaataat | aattatgcct | ggacaatgga | cataacatct | agggccttct | 16980 |
| gaagcaaacc | aggggtgtggg | gtacccaaac | aaggcagtag | gccccaggag | gcaggctccct | 17040 |
| gcagtcccag | cagagagcag | ggcacagggt | tgagaagact | gagcaaaact | cattatcagc | 17100 |
| tcctttgtcc | cccactctgt | cctggagcaa | tcattctggc | ctcttcccac | ttccccaaaa | 17160 |
| accaggtata | aaggctgctt | ctggcccctg | aagccagagg | cactgagagt | ggagggtctca | 17220 |
| gactcttgga | aggtgagttc | ttttctggct | gcccaggcag | gaccagtgtg | ggccctggga | 17280 |
| agaagcagca | cctcataggg | caaacacgta | ggaggcctgt | ccttaggaac | atcatagcta | 17340 |
| agcagacctg | ccccgcagg | ggcaggagtc | tgggctaagg | gtgatactgg | agagcagcaa | 17400 |
| cggagactgg | aagacaaatg | aaatttggtg | cctgagttat | ccctcccacc | attccttttc | 17460 |
| tagactctcc | agctcagggt | ctgttcattg | caagaggaga | aagcaatctt | gtttgctctt | 17520 |
| taatcaaaaa | attaaacaaa | tattccctct | atactatgtg | ccaggggcta | tactagacac | 17580 |
| acaaagacag | ccccagaag | gacgggtggg | tagtgtcctc | gctaaaagac | agtagatatg | 17640 |
| caatgcctct | tgcctctgcc | ctttctcctg | ctgggaacag | tttctgctct | tcactctgggt | 17700 |
| aagtctctcc | cttccctcct | catgcgtctt | tccttttttt | ccttttttct | acactccctt | 17760 |
| cccccgctt | ttatttgcac | tcattgagggc | aggaccacag | ccttccctct | ttagctgata | 17820 |
| cagctcatct | ccggtaagat | atcacttggg | ctcagaactg | taacctggaa | ctttctcttt | 17880 |
| tttgtttgat | ttttttttgt | tgttgttgtt | tttgtttttt | tttttgtttg | ttttttgttt | 17940 |
| tgttttgaga | cggagtctcg | ctctgttgcc | caggctggag | tgcaagtggc | cgatctcggc | 18000 |
| tcaccacaaa | ctccgcctcc | cgggttcaag | caattcttct | gcctcagcct | cctgagtagc | 18060 |
| tgggactaca | ggcacatgcc | accacgcctg | gctaattctt | gtatttttag | tagagatggg | 18120 |
| gtttcaccat | atttgccagg | ctggtctcaa | actcctaacc | ttgtgattcg | cccgcctcgg | 18180 |
| cctcccaaag | tgcctgggatt | acaggcgtga | gccaccgcac | ccggcaaaact | gtaacctgaa | 18240 |
| ctttcagaag | gaaaaaacac | ccacctgtta | agatgaaggg | ctggtgactg | ccccaggctt | 18300 |
| ctcacacgtg | ctttctccca | ccttcaaaa | acacactcgt | ggtgtcggcc | agaagtcagg | 18360 |
| ttcttgtcca | tttgtgggtg | tgacccgaga | gatctctcct | tacctaacac | caaggaaatc | 18420 |
| ctccagctct | gtcttcagggt | ggaattccta | ggaaagctcg | agcgacgttg | ctggagctgt | 18480 |
| ccacggtgct | ggaactagga | agctcttgac | ctgatggcag | gttacctctt | cttcccagag | 18540 |
| aatgatgccc | cccactctgga | gagcctagag | acacaggcag | acctaggcca | ggatctggat | 18600 |
| agttcaaagg | agcaggagag | agacttggct | ctgacggagg | aggtgattca | ggcagaggga | 18660 |
| gaggaggtca | aggcttctgc | ctgtcaagac | aactttgagg | atgaggaagc | catggagtcg | 18720 |
| gaccagctg | ccttagacaa | ggacttccag | tgccccaggg | aagaagacat | tggtgaagtg | 18780 |
| caggggaagtc | caaggtgcaa | gatctgccgc | tacctattgg | tgcggaactcc | taaaactttt | 18840 |
| gcagaagctc | aggtaagtag | tagggaggct | actgcggagg | acctggggga | aaagagagta | 18900 |
| cattcagctc | tctgttccct | attcatttag | gctagtgggt | ctcaaagcct | cgcatgcac | 18960 |
| agaatcacct | ggagttgttg | ttaaaacaca | gctttctggg | cctcacctgc | acgacttctg | 19020 |
| atttaggagg | gctgagggtg | agcctgagaa | tttgcattta | caacaaatcc | ccagggtgatg | 19080 |
| atgatattgt | tggctctgggg | agaaccaccg | atttaaacaa | aaggcttttg | tgtagaaac | 19140 |
| gcctgtgtta | aattctgggt | ctgcctttta | ttagctgtgt | tacctgggca | agttgctttg | 19200 |
| cctttcaaag | cttttagcacc | ttcatttgta | aaacgaagat | atatagcacc | aacttcttag | 19260 |
| agttgtgggt | agcattaaat | gagataatac | atgaaaagtg | tttggaatag | tcactgggct | 19320 |
| gtaataaaact | ctcaataagc | ggtggttata | attattatga | gtattatcat | ttcctgtatg | 19380 |
| attgtcctga | cagctaatta | agaagcaaaa | gataggatta | agggaggcaa | gtaggtttat | 19440 |
| ttttaaccta | aaaagggatg | ccgggctcct | ccgctggagac | tcagaaactt | gaaataaatg | 19500 |
| agaggaattt | nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | 19560 |
| nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | 19620 |
| gttagcacat | agccagaaca | tctagaaggg | gtggtaggag | tggggattag | aggttccagc | 19680 |

| | | | | | | |
|-------------|------------|-------------|-------------|-------------|-------------|-------|
| tggaggcaat | ggcacttgca | aaggctttgt | tgaagtggcg | taagtgtgga | ggtggagcat | 19740 |
| tcaggaaagg | agagcttcag | cttcagtggt | gctggagtg | tgggtgtgaa | gagaggtgaa | 19800 |
| gatgaggctt | ggaggctggg | cagattttgc | tccaaaagag | cttgggtgaac | tgtgataaagg | 19860 |
| agtttggatt | ttctcctact | aaggacaaca | gcaaaactatt | gaagagttta | aatcgttcag | 19920 |
| tgacaatgac | acgtttgcgt | tttgggtggct | cactcgagct | gccagccagg | tagacagtgg | 19980 |
| cagaagatgg | aagataaagc | actaaagggt | gatgaggcag | gaagccagt | aggagagaaa | 20040 |
| ggggacgatg | tgagtgcacg | taaatcattt | gttgggttgc | tattgtgtgc | taagctctgt | 20100 |
| gctaaattct | tcacgtgtat | tatttcagct | aatccatcta | acaactctgt | aaggcaggta | 20160 |
| caatcgttcc | cagctgaaga | agctgaggct | ctcaaaagct | agtaacttgc | ctaagttcat | 20220 |
| gcagcatgca | agttgtccag | ccaggattct | aacttagaca | ccagaggcca | cttttaacca | 20280 |
| ctgctctagg | actgggggaa | atggtcccta | gtgagatatg | tgtcgagttt | catatttcat | 20340 |
| tcaacaatat | tggtggcctg | ctacatgtga | agagctgtgg | aaagcgccca | aagtgaagta | 20400 |
| gatccctatg | agcaagtggg | atgggggtgg | agtggacagt | aggagggctg | gaacacacat | 20460 |
| aaaagggtat | aagaaataac | aattaggccg | gccaggggtg | gtggctcacg | cttttaatcc | 20520 |
| cagcactttg | ggaggccgag | gagggtggat | cacttgaggc | caggagtttg | agaccagccc | 20580 |
| ggccaacatg | gtaaaacccc | atctctacta | aaaatgcaaa | aattagctgg | gctggtggtg | 20640 |
| cacgcctgta | atcccagcta | cttgggaggc | tgaggcacga | gaatcacttg | aaccaggag | 20700 |
| gcagaggtta | cagtgaactg | agattgcacc | actctactcc | agcctgggag | acagagtgtg | 20760 |
| accctgtctc | aaaaaaagaa | aacaaaacaa | gtaggtactt | tctgccatag | ggaggattca | 20820 |
| taaactgcta | gtcctcagg | gcatttttgc | ttatcagttt | taaaaaatcag | agaatgtctc | 20880 |
| aaagaattag | gatgtcagct | tcttttgaaa | atttgggcca | gaagcgggtg | ctcacgcctg | 20940 |
| taatcccagc | actttgggag | gctgagggtg | gtagatcacc | cgagggtcagg | agttggagac | 21000 |
| cagcctgacc | aacctggcga | aaccccgctat | ctactaaaaa | tacaaaaatt | agctgggctg | 21060 |
| gtggtgcatg | cctttagttc | cagctactca | ggatgctgag | gcatgagaat | cacttgaacc | 21120 |
| cgggaggcag | gggttacagt | gaaatgagat | tgcaccactg | cactctagcc | tgggagacag | 21180 |
| agcaagaccc | tgctcgaata | aaaagaaaaa | gaaaatttgg | aagatctgac | aacagttgac | 21240 |
| ctgcattcct | gctcggcaac | agcctgatgg | tggatgggca | gaggctcagt | tgtctgccaa | 21300 |
| acctcccatc | actgatgtct | tccctcgctg | tcacatctct | cttgacatgt | aggcatttgg | 21360 |
| tgtgtgcctt | ctgctctggg | tgcccagatg | aattggatgc | tatatgagaa | aacattctgt | 21420 |
| aatgtctctg | tggtaggcaa | cctcaaagat | cactggggcc | tccaatgatc | cctccttctc | 21480 |
| ggtattcatg | cctgtgtata | atcctctccc | ttgagtgtgt | actacacctg | gatacttgc | 21540 |
| tctaataaac | agaacacagc | aagggtaatg | ggatgctact | tctaaggtta | aattacaaga | 21600 |
| gtgtaaagtc | tgtcttgttt | gtttccctct | cttgatcttc | ctctcattct | ctctctctcc | 21660 |
| ctctctctca | ctttcttact | gtcttgtcct | tccctttgtt | tactctgatg | aagcaagcta | 21720 |
| gcaagcatcc | atgttgtgag | ctgacctatg | aagaggccca | tgtggtggta | aggaactgag | 21780 |
| ggcagcctct | accagcaag | gaactgagtc | actcatcata | tgggtgagct | tggagacaaa | 21840 |
| tccttcccca | cttgagcttt | cagatgacgg | cagccctggc | tgatgctttg | caggcttgtg | 21900 |
| agagaccctg | agacagaaca | ctcagctaag | ctatacccta | tctcctgaga | tagagtataa | 21960 |
| tacatgtagt | tttaagctac | tatgttttgg | gataatttgt | tactcagcaa | tagataacca | 22020 |
| atacatatac | catgtacata | actgtttcag | ttgtctgaga | ctatatattag | tcattttaca | 22080 |
| cctacataca | gaatgtgtca | ggcaccattc | caggtaacttg | gaatacatca | attaacagaa | 22140 |
| taggtaaaga | ggccaggcat | agggtccaca | tctataatcc | cagcactttg | ggaggcccgag | 22200 |
| gtgggaggac | tgcttgagcc | caggagtgtg | gaccagcctg | ggtaaaaatag | tgagacactg | 22260 |
| tctcaactaa | aaaaaaaaaa | aattagttgg | gcacagtggc | acatgcctgt | ggtgccagct | 22320 |
| gctcaggagg | ctgaggtggg | aagatcgctt | gagcccagga | gtttgaagct | ccagtgaagg | 22380 |
| acggtcacaa | aactgcactc | tagcctgagc | aacagaaaaa | gaccctgtct | caattaaaaa | 22440 |
| aaaaaaaaaa | aaaaggaaag | aaagaaaaaa | ataggtaaaag | atccttgatt | cttgccctct | 22500 |
| tggaaacttct | attctagagg | gggatggttt | ttcacagtag | aagtctgtgt | tgacagcgct | 22560 |
| gtttaaagct | ccttcagcat | ctggggaaaa | ggttnnnnnn | nnnnnnnnnn | nnnnnnnnnn | 22620 |
| nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | 22680 |
| nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | 22740 |
| tgaactcctg | ggctcaagca | atcctcctgc | ctcagcctcc | tgagttagctg | ggaatacagg | 22800 |
| tgtgcaccac | catgcctggc | ttatttcata | tatatatatt | tttatatata | tgtatattta | 22860 |
| tatatataaa | tatatatata | atttctgtat | ataaataaat | aaatatatat | atatatatat | 22920 |
| tttttagagat | agggctcttg | tatgttgacc | accaggtctt | gaactcctgg | gctcaagtga | 22980 |
| tcctcctacc | tctgcctttc | aaagtgttgg | gattacaggc | gtgagccatg | gcacctaact | 23040 |
| gagttatttt | taccacacga | agcataggac | atacatccaa | aaatgttctg | agctgagcaa | 23100 |
| gagcctggag | gcaagtgaat | ctgaactttc | ccgtctttga | agaaaccagt | ctctctccaa | 23160 |
| gtgcacatag | ttagtgtcac | tcccccaag | aactgcataa | gctggggacaa | tcagaggcca | 23220 |
| gtggaaggtc | tggggctcag | gggcgcccc | tgctgtctcc | ccaggggtctg | tccccctacg | 23280 |
| caagagcctc | tgtccccca | ctttcctgtg | gagcctcctc | accatgggca | tgaccagct | 23340 |
| gcggatcatc | ttctacatgg | ctgctgtgaa | caagatgctg | gagtaccttg | tgactggtgg | 23400 |

| | | | | | | |
|-------------|-------------|-------------|-------------|-------------|-------------|-------|
| ccaggagcat | ggtgaggcac | cgctgaggcc | cctggggggt | gggggcacag | gcgggtcacc | 23460 |
| ctgggtgagc | ttccctcacc | atacgtttcc | ctaccacacag | agacaaatga | acagcaacaa | 23520 |
| aaggtggcag | agacaggtag | ggctatgaaa | gcagggccct | ggctcacgcc | caccccactg | 23580 |
| caaccgcctt | ctcagggggc | gggactcctc | taggcctggg | cccaccagag | taaccctttt | 23640 |
| gtgggatgta | agagtctggg | ttcagaggaa | ggctattttg | gtgctctctg | gcctccgctg | 23700 |
| gaaggggtga | tagtggtccac | tgagtgccag | ttcctgaccc | cactgccctt | cccatcctgc | 23760 |
| ccagttgggt | tctactcctc | cgtcttcggg | gccatgcagc | tgttgctgct | tctcacctgc | 23820 |
| cccctcattg | gctacatcat | ggactggcgg | atcaaggact | gcgtggacgc | cccaactcag | 23880 |
| ggcactgtcc | tcgagatgac | caggtgacct | gcctgtacag | ggatgggtgac | agcaagtggg | 23940 |
| caggcagtg | ttttcatttt | ctctgtgctg | ttacatccag | cagcttggtg | ctttctccca | 24000 |
| agaaccctag | gagatcaggg | gtacctcccc | atttttacaga | tgaggaaaact | gaggctagga | 24060 |
| agggacctgg | cttgcttaat | aataagaata | gctaattgcag | agtgctgact | gtgcacttgg | 24120 |
| caccttgcc | tgttttagtcc | tacaacacct | ctttgaggta | gatgcgttaa | tatcttcatt | 24180 |
| ttgcagttga | ggaaaccgag | gtacaggggt | gcacagttag | gtcattcacc | caagatcaca | 24240 |
| cagctttcag | tggcagcctc | cagaacctgt | gttataaggg | tacacgctaa | agtcttggtt | 24300 |
| gggctagaat | aggtagagtt | ggtatatattg | atattttattg | ctgtataaca | aatcacccca | 24360 |
| aggcttggca | ttttaaaaca | acaaacactt | ctcatctcat | acagtttctg | acagtcagaa | 24420 |
| atcagggaga | gactcagccg | gctgattctg | agtcacagtc | tctcatgaag | acatagtcag | 24480 |
| gctgtcagcc | agggctgcag | tcatctgaag | ggctgactgg | ggttgagaa | tctatgtcag | 24540 |
| ttcaattacc | cccatggcct | ctccataggg | ctgctcagga | cacagcacct | gctttccctt | 24600 |
| gagcaagag | gctaagcgac | agagaccccc | tatcttctct | cacataatct | cagcgttagc | 24660 |
| ataccatcac | ttctgtttacg | ttctattata | ggcacagagc | aacctgata | tactgtggaa | 24720 |
| ggagactgga | caaagcaggg | gaataccagg | aggcaggatc | cttgagggct | gtcttggttg | 24780 |
| ctggagacca | ccattgaggg | tttttttttt | tttttttatt | gagacagtct | tgctctgtcg | 24840 |
| cccaggctgg | agtgcagtgg | cacgatctca | gctcactgca | acctctgcct | cccagggtca | 24900 |
| agcgattctc | ctgcctcagc | ctcccgagta | gctgggattc | accatggagt | cttgaacca | 24960 |
| gattctgtga | ctgcttttgc | tctttttgtg | ttcatccaaa | cagtcacctg | ttatcctaag | 25020 |
| aggatgggag | aaagagactg | ggagagaagg | aaatccagtg | gcctccctcc | ctgctagcag | 25080 |
| agcctggccc | tggcactgag | ccttccctct | ctaccctctg | ctcctaattg | tgagggtccc | 25140 |
| ctagcagggc | ccttctgtcc | aggacacatg | ggcgcctctg | cctcacccca | gcctactgac | 25200 |
| ctctctccctg | ggctggcctc | agtgcccttg | atgtgcccgt | agagaggaag | gcctggagag | 25260 |
| tcaggccaag | ctgctgtccc | caggagggca | tctgcttatg | tctagggcag | ggacaccttc | 25320 |
| ctgaggactt | ctgatgagag | acggtgtgag | agcttcccac | ttcccacctt | ccttcccctc | 25380 |
| cttggttctc | aaaccttcaa | gtgtgcatga | gaatcactta | gtgggggata | tttgtccaaa | 25440 |
| tgcagatttg | cagatatccc | cgctgagatt | ctgagggccg | agatgaggcc | tgtgaatctg | 25500 |
| catgttaaga | aagcaccgcg | tttgatgcgt | gtgtcattgg | gtaggggagc | aacactttga | 25560 |
| gaaacatgga | gctagagaac | gtgggtttct | atgggtttcc | catagaaaaca | tggattttctg | 25620 |
| tgttttctgc | tgccctgaca | togaaggcac | atctgaaggg | ggagggggcca | ggccaagaac | 25680 |
| caggaggtcc | tgggaacgta | gaggcagcag | cagtgacttc | cccgtactcc | tcaggggcgg | 25740 |
| ggttgctacc | aaatcccatc | gaccacgcta | ctgcaagatc | caaaagctca | ccaatgccat | 25800 |
| cagtgccttc | acctgtgact | tgtgggtttt | ggcatcacct | gtctcatcaa | ccgaggctcc | 25860 |
| caacttacac | ctccaggta | ccaccttcat | ccttcccctc | tccctgcctc | ccgaggctcc | 25920 |
| tccaaaggga | tgggtccatcc | agcacctgcc | ttccaggaag | cgcagtctctg | gtcttctgat | 25980 |
| ctggatctat | tttccgggtt | ctccaggaag | tgtttctagt | agattgggtt | ggcgaggggg | 26040 |
| tgggaattga | ggcccagttg | gcctcttcgc | cctacccttc | cttccctccag | cctccacaca | 26100 |
| ctctcctaac | ctcttccactc | tctctttttg | gttttagttt | gtgacctttg | tcctgcacac | 26160 |
| cattgttctga | ggtttcttcc | actcagcctg | tgggagtctc | tatgctgcag | tgtgagtctg | 26220 |
| ttgggctgaa | atgccttctc | gagctttgca | accgtgatca | gagaacccca | gggaagggtt | 26280 |
| gggagggccc | caggcatccc | ctaattgcacc | tctctctgag | accctctgat | ggcagggagc | 26340 |
| tcacttccct | aaaggcagcc | tatcctgctg | taattgactc | cccctggttg | agtcttccct | 26400 |
| tagaggaagc | tgaataacct | ggcttgatga | cactttgggt | ctatgtctgc | tgtttgaaac | 26460 |
| ggccccaga | atggcctccc | ctccatgccc | accctgaaga | aatttcccaa | gggcagccat | 26520 |
| ttgccttata | attttctctc | tcatgttgga | cagtccccac | ttgcatctct | ctcctgggtt | 26580 |
| cccctgctgg | gcgctgctga | gggactctcc | cctgtgtatg | tgatggagta | acaggacatt | 26640 |
| acaataatga | tgacaaaatg | acaaccatta | tcaagtgtc | cgttgggtgca | ggcagcaggc | 26700 |
| aggatccttg | accatcactc | cctgagttca | gcctcactgc | agcgggtctg | gcagagggga | 26760 |
| gctctctttc | cttcatctgc | tcaagccaga | accctggagt | ttccttgatg | tttctctccc | 26820 |
| tcacactcca | tgttccactcc | atcctcagta | cagccagcag | cagcttctac | acaccccaaa | 26880 |
| tctgaccttc | ctgtgcactc | ccactgctgc | ctctccagtc | ctagccacca | acatctctag | 26940 |
| cctggattat | tgtggcagcc | tttagtctcc | cacatctgcc | ctggccccgc | tgtctcagtc | 27000 |
| tatttttaac | acaggggctg | cagtcacctg | tcaggacata | agtctcttca | catcactctg | 27060 |
| tgggtgtcctg | tctcatctgt | ctcagagtaa | aagccaaagg | ctttactatg | gcctaaaaag | 27120 |

| | | | | | | |
|-------------|-------------|-------------|-------------|-------------|------------|-------|
| ccctgcaagc | tctggcccca | gcacttcact | cccctctagc | tccccctcct | ccattgttca | 27180 |
| ctctgccaca | gccacagtgc | ttccttagtgc | tccggaagtc | tcaagtgtgt | tccctgcttg | 27240 |
| gcatcctttgc | atgtactagt | ccctgtttct | agaacattct | tctccagata | tctgcaaggt | 27300 |
| gcccaatctt | accttctctc | cttcttcagg | tctttccctg | actgtcctct | tctcagttag | 27360 |
| gctcccttg | gctgtcccat | gtacaattgc | aacctcccta | ctgcccgtt | ctctgcttgg | 27420 |
| tttttctcag | cgtttatcac | taacactctg | cctatctctt | gcttattgtc | tgaccgccac | 27480 |
| ctgctccatg | ggaatgccac | ctcctcgatg | gcaggaatct | gttgacttgc | ttgatcgtgg | 27540 |
| tatctccagc | acctagagca | gtgcctggca | catagtaggt | tctcagctaa | atgtttgttg | 27600 |
| acagaataca | gtggacagtc | ctgcgaggtc | aatgccatcc | ctgttattag | tggaggaagt | 27660 |
| ggggctcagg | gagtttgagc | cacttgccaa | tatcacacat | acaggagggtg | tgagaacca | 27720 |
| gctcagtggc | cctgaagttg | gagcatttgc | cctcaaggct | ggggaccaaa | gagcccatgc | 27780 |
| aaagagcccg | aacgcttaag | caccaccctg | cctggccagc | ggggnnnnnn | nnnnnnnnnn | 27840 |
| nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | 27900 |
| nnnnnnnnnn | nnnnnnnnnn | nnnnccact | gcgcctggcc | cattactttt | aatggcaaaa | 27960 |
| accacaatta | cttttgcacc | cacataaata | gttaccatgg | gctgagcatg | gtggctcagg | 28020 |
| cctgcaatcc | cagcactttg | ggaggctgag | ccaggcggat | cacttgaggc | caggagtcca | 28080 |
| agaccagcct | ggccaacatg | gtgaaacccc | gtctccacta | aaaaatacaa | aaattagctg | 28140 |
| ggtgtggtgg | cgctgtcctg | taatcccagc | tattcaggag | gcagagggtg | cagttcactg | 28200 |
| aaatcatgcc | actgcactcc | agcctgggcg | acagaatgag | actctgtctc | aaaaataaat | 28260 |
| aaataaataa | ataaatat | accatgtttt | gaccacctgt | tatgtgccaa | ctgtattact | 28320 |
| taaaaacacc | catgggaggc | tgggcacagt | ggctcacgcc | tgtaatcgga | cactttggaa | 28380 |
| gggcaagcgg | ggaggatccc | ttaaggccag | gagttcaaaa | ccagcctagg | taacacagta | 28440 |
| agcctgtct | ctacaaaaaa | taaaaaaatt | aactgggcat | ggtggtgtgt | gcctgtaacc | 28500 |
| ccagctcctc | gggaggcaga | gggagagggt | cgcttgagcc | cagcagtttt | agggtgcagt | 28560 |
| gagccaggac | caagacacta | cactccagcc | tgagtgcag | agcaagacac | tgccctctaa | 28620 |
| caaacaaaca | aacaaaagcg | acctgtgggt | aggtaggaac | aggctcatag | tacagatgag | 28680 |
| aaagcagagc | ttggaggggt | caagcgattt | gccaagcaga | ggtccaagcc | gaggtctctc | 28740 |
| tgaatccaaa | gttaattccg | tctatcatat | caccacagcc | ctctctgccc | cagggagagt | 28800 |
| ctctgcccac | tccagccact | cacgtgtaat | tgacttctct | aggggcagga | aaggcttcga | 28860 |
| tgggccagtt | gaggggtgcag | ttcagaaaga | taaggcagcg | caggccagac | caggtgaaca | 28920 |
| tgatgaccac | gaaggccaca | ccggcatcgt | agatcagctg | tgagaggagg | gggcaggccc | 28980 |
| gtgggggaga | ctgcctggcc | ccagacccca | ccaaggtaga | tcccaggcct | cagaggcctt | 29040 |
| aaagaagttc | tcttctcccc | ttgtccttgt | gccaattttg | cagatgagga | aaccaagacc | 29100 |
| agaagtttag | agtcagactc | agaagaccca | tcattccttt | ttctttttca | cttgaggccc | 29160 |
| cctagagagc | tatgaaatag | tctccacaaa | gcctgaagtt | gctggccact | ggctcaaaat | 29220 |
| atctctgaaa | tttccattat | cttaaaaaaa | tacatacatt | tttgcctatg | actccacaaa | 29280 |
| cattcatgtt | catgttcgca | caaaaatgtc | catttcatag | tacgtacaaa | ggaaacttag | 29340 |
| tgctctaggt | ttaccggggc | taatcggtgt | tatcctgccc | cttccctggca | cattccccag | 29400 |
| gggaaaaggc | aaaccagagc | tgctcatgct | cagccttttc | tcacctttcc | caggtcctcc | 29460 |
| cacgtgcaac | aactgggggg | gttggggaga | gggaggtgca | agtgtctctg | ccaagggtct | 29520 |
| tcaaccccag | ggcaggttaag | ttctcaattg | aatgagattc | tgtgcaaatg | tgtcagccct | 29580 |
| tcttatggaa | gaagctgatg | caccatctgt | cctcttgtcc | tcccataacc | atctgaccag | 29640 |
| gataattaat | gtctgtctct | ccctcaggct | cctgtcctca | cctttttctc | tgcagtcttg | 29700 |
| gaccttggtg | ccttttctct | cctaggggca | ggacagagct | tcaaagggcc | acacccccaa | 29760 |
| atgtgtggag | gtaagatctg | gctcttcaaa | cactacttca | gttgaaaaga | agggagaact | 29820 |
| gccaccctc | catgcctgcc | caccagaaca | actgatggcc | ccccaccca | tgcgctctct | 29880 |
| caaactcctt | tggagacact | gagcaaaaagt | accttcttta | gtactctttg | taaagtgcaa | 29940 |
| aacggtatgc | agtttggtag | tgcccaccgt | ggaggttgag | gagcatggca | tggctcaaag | 30000 |
| ggtcctttga | tatttgacag | aggaaattga | ggccccatc | ttgactgag | ctaaaacttt | 30060 |
| ggtcccctgg | cttcgaggta | caccagggtg | acctgtccag | gatccagcct | ggcataaact | 30120 |
| cactttgtga | ccttggaaca | aaccacccat | cctctctgga | agggtgtggaa | aaatgtggcc | 30180 |
| ccaaaggctg | aataaaagcca | gagagtcagg | gaccttgaa | gcatgtgaag | gggctggact | 30240 |
| tgattctgta | ggtgaagcta | aaccactgaa | ggtttttcag | cagtgtgtga | gccagttccc | 30300 |
| catctgagat | ctttctggaa | gtcacgtgag | tgacagagta | cagagaaaaa | gaatcagagg | 30360 |
| cagggagacc | agctgagaaa | gcttgctgtg | gcccaggaga | gaggggggaa | gcctgcattg | 30420 |
| ggatgatgac | agagaaaagga | gagcggagaa | gtcagacccg | tgggtcagca | ctagctgctg | 30480 |
| ctcactcggc | cccacccggt | tcttgtgtca | agacaaaaag | aaaaccagc | tggcctcata | 30540 |
| ccttgattcc | tgggaacgta | atggcagaag | aggcgtaaga | gccaatcatg | agggccatta | 30600 |
| acgtggagcg | caggttccca | aacatgttgg | gcagctgagg | aggggaaagca | gcacccatga | 30660 |
| ggtggggaca | ccgtgaccct | tgcccagccct | tccagccct | gctccataca | atagctccag | 30720 |
| gagacgcagc | agaaaagccc | caaggtaaaa | caaacagaaa | aatcaatgtg | ggaaactgta | 30780 |
| ctctgcccc | tgcctacaca | gtcacagtgc | ccttttagctt | caaaaaggct | cccagacacc | 30840 |

| | | | | | | |
|-------------|-------------|-------------|-------------|------------|-------------|-------|
| cctcagagag | acatttttgtt | aatttttgttt | aattccaggt | ttcccaagtt | tgttacgtaa | 30900 |
| cacctctgaa | aaacacatgg | aataggtgct | taagaaacac | tgatcttggc | tgggcgcagt | 30960 |
| ggctcatgcc | tgtaatccca | gcactttggg | aagccgaagc | tggtgggaag | cttgaggtca | 31020 |
| ggagttcaag | accagcctgg | acaacatggt | gaaaccccat | ctccaccaa | aatacaaaaa | 31080 |
| ttagctaggc | atggtggcat | gcgctgttaa | tcccacctac | tccagaggct | gaggcaggag | 31140 |
| aatcgcttga | acctgggagg | tggagggtgc | agtgagccga | gatcgacca | ctgcacttta | 31200 |
| gcttgggtga | cagagcgaga | ctatgtcccc | accccccaa | aaaaaagaaa | agaaaagaaa | 31260 |
| gaaacagtga | tcttgtccaa | cccatttgag | atgagacaat | tgagacccag | ggaggaaaaag | 31320 |
| tgtactcaag | ttcacagagc | acattaatgg | ctttctcccc | attgtcgttg | tcccagccct | 31380 |
| aaccaaggc | tgtgaccatg | gctgtgtccc | ggtaataggc | agtgcctctt | aaccctctcg | 31440 |
| gttgacgtcc | cagcccagtt | tctgccta | caggacaaat | cacatcctgg | gaggtgaggg | 31500 |
| tggaaataag | ggagggaact | gagccagggc | agacagtctc | cagaggaggt | ggctctgacg | 31560 |
| cagagcaggg | tcagaaccca | caccaggaga | gaatttaatt | gatcatgtgt | tccactcacc | 31620 |
| tgctcagcc | aagccctcag | ggcaggggaa | ggcaaagtca | ggatgcctt | cgcacacacc | 31680 |
| ctcctctggc | cccaccatcc | tccccaagtc | actagatccc | acagctgaga | aggaccttag | 31740 |
| gatccgtaca | aagcctaaac | acactccaca | gagggggaaa | ctgagactct | gaaggagggc | 31800 |
| ctcaacagct | ctggtaaaaa | aggcgtttag | gccgggcgca | gtggctcaca | cctgtaatcc | 31860 |
| cagcactttg | ggaggccgag | gcgggtggat | tgcttgagct | caggagttcg | cgaccagcct | 31920 |
| gagcaacacg | gtgaaacccc | gtctccacta | aaatacgaaa | aaattagccg | ggcgtggagg | 31980 |
| cgtgcacctg | tagtcccagc | tactcgggag | gctgaggcag | gagaattgct | tgaacctagg | 32040 |
| aggcagaggt | tgcaagtgagc | cgagatcgcg | ccactgcact | ccagcctggg | cgacactgcg | 32100 |
| agactccgtc | tcaacaacaa | aaaaaaaaaa | atggtgttta | aacacatata | actaaattat | 32160 |
| ccttccccct | tccccgaag | tggctggctc | aggaaaaacc | tctaccact | caggcagagg | 32220 |
| tttctctgca | ccctgcatec | gtgaggcacc | actgccagg | acgccaggga | aggctgccag | 32280 |
| gcctggagag | gggcaggggc | ccctccccct | caaggggcca | caaacgctgt | ctgcgcccag | 32340 |
| taccgtgggt | aaggcgaggc | cggccggcta | accccggtc | ggcgcccttg | cagcgtgcgt | 32400 |
| ggcaacagca | gctgggccc | caagactcag | cacgggacgt | cctcgtccaa | gtctgggcca | 32460 |
| agagcagcgg | cccagggggc | ggggccggcc | agagggagcg | gggagaggct | gagggggcgt | 32520 |
| gccagcgccg | gaccctgcc | ttggctggag | attacaggag | gcggggacat | agcagggagg | 32580 |
| agccgctgga | caagccccac | ccggccgcc | gggagggtct | gaggtcaaga | gccggagaga | 32640 |
| agggatttag | ggccctgggc | caagttgcac | agcagggaga | aggggctgcg | cagaggggcg | 32700 |
| gggagaaagg | gatccgcttc | cttcccttag | agctgtgaaa | tgtccccggt | tggaaattaaa | 32760 |
| ggcggtgct | ggggagagg | gaaattcagc | caaaaccacc | cagtcaggca | gcccttctca | 32820 |
| gagataaaca | gtccgagcca | gcccggccag | gaaccttccc | ctccaacctc | cctaagcctt | 32880 |
| taacactcct | aagcctttta | cgcgtttaca | cactcacata | aataaacaca | ctttgagcaa | 32940 |
| cacacataca | ccactcacca | catgtaatag | gtcaagccat | gtgcacgacg | agggtgtcgac | 33000 |
| aatttcatat | ggttcaacct | agtacactca | caaacacacc | taccaactca | tggctttcac | 33060 |
| agggacgggg | tcacacaccc | actctcccac | gacatggcaa | gcgtgcacac | gctatctcaa | 33120 |
| gctgctccct | ccccctcaag | atcatgttac | ccagttttat | tttcttccca | gcacctatga | 33180 |
| cgactgacat | aatttatttag | tttacttgtt | tatttgggta | tctgtgcccc | tcacccccaa | 33240 |
| aatgtaacct | ccagcaggga | ggatgactcg | gtcagtcctg | attgtgctgt | agtcaggagc | 33300 |
| ctagaacaga | gctccatgga | cattcatggg | ctctgtacac | acaaacacac | acattaacat | 33360 |
| acaccccgac | acacagcctc | atccacacac | acacagcctc | acacctgctc | tttgacgcca | 33420 |
| cctgcacagt | ttctcacaca | ctcacttgat | ctagtgatct | gcgtccacag | gcccctcccc | 33480 |
| cagcccactc | atactgccct | caccccactc | actctgccct | caccccactc | gggggaactc | 33540 |
| tgctgccagg | ccaggcctgt | gacactcacc | gtgagtgaag | tgaacgttag | gcagatgcc | 33600 |
| ccaaagccat | tcaggggacag | cgccagggaat | atcaacggag | acagagctgg | aaaggggaaa | 33660 |
| gcagcagatg | agggcatttg | gggagctgtg | ggaagccaag | ggcgggagct | ggggtaaaaa | 33720 |
| tccgccttca | tcccacctat | tcttttcttg | tggggccaca | agaggacaga | caactcacct | 33780 |
| tcacgctccc | gggaggccag | ggccatgagg | gtgcaggacg | cagtgaagca | ggcactgtgg | 33840 |
| agacacaggg | aagggcgagg | ggttggcctg | tgagcacccc | ccctccccct | ccctgcagc | 33900 |
| acggtccctg | tcctcccgtt | ccccatagcc | cagccacctc | acctgccaac | cagccgcacg | 33960 |
| ggtcgggggc | caaagcggtc | catgaggatc | cccagtgcca | gggtgggtgg | gctgagcacg | 34020 |
| aaggaaccaa | tggtgaagcc | caggttgagc | atctcgtcct | gctggtcaca | gcctggccac | 34080 |
| ctgcgctgct | catcctgggt | ggtgttggtg | ctgctctcag | ctgaggaggg | ggaaggagg | 34140 |
| gctcagcaca | tgacaccagg | aacagctggg | cacaggagac | agcagcccac | agtcaggcgg | 34200 |
| cctgctttca | aatcccatgc | caagtgcctt | tgggggtacc | ctagagtcac | atctcctctg | 34260 |
| atggggctgc | tccagaaatg | gcagccatta | gtacctgacc | ctgggagagt | cttgtgcaca | 34320 |
| cacagcctgc | ggcttcaact | agctcaaagt | aaatactgga | cataaaagta | tttactaagt | 34380 |
| tgtaatatgc | actcagtgtc | caagcttagg | gggttgtgga | cccccaacaa | gaagtgcctc | 34440 |
| cataatctaga | ggcaaaggca | aaggcagtga | gtgggtactct | aatggctata | acaagaattc | 34500 |
| attaaaaatgg | cccgcgctgg | tagttcatgc | ctgtaatccc | accactgtgg | gaggctgaga | 34560 |

| | | | | | | |
|-------------|-------------|-------------|-------------|-------------|-------------|-------|
| caggcagatc | gcttaagcct | acaagtttga | gaccagcctg | ggcaacatgg | taaaacccca | 34620 |
| tctctaata | aaaaaaagaa | atttagaaag | aacactaaaa | cttagaggaa | gctttcccga | 34680 |
| taaatgatag | tctgataaaa | taatagctaa | tacttattga | gcacttaact | atgctccagg | 34740 |
| cactgttata | agtcagttaa | taaagtatcc | cgttccctag | gtgatgaagc | tgaggcacag | 34800 |
| aatgagaacc | aggcactgcc | ctccagtcce | ctctagaagt | ccacttggag | gacttgtcct | 34860 |
| taacggtaaa | ctgccaactt | ggagtttgta | caagttaagg | agaaaagcta | gtgataggag | 34920 |
| acaaagggct | gcttcgcttt | actcaatgct | cannnnnnnn | nnnnnnnnnn | nnnnnnnnnn | 34980 |
| nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | 35040 |
| nnnnnnnnnn | nncccccc | ccccccctc | cccccttcc | tccccctct | ccctccctcc | 35100 |
| ttccccctt | ccctccatct | tctccacacc | tggtatcatc | atacagaagc | agagagggact | 35160 |
| gcacttggtg | aaagtttcaa | ttctcctgtg | tggagaggtg | agcactgagg | aaggggtggg | 35220 |
| ggctgtcaaa | ggagacttac | ccaatctttc | cagcccacca | atcccttgcc | cagtgtttct | 35280 |
| ataaaataag | ggccttttgc | atctgattta | agtaggaagc | tgattcctga | gcccctcaga | 35340 |
| tctgtctgaat | cagatagcta | agggggccct | ggaatctgca | ttttagcaag | cggaggtggg | 35400 |
| ttatgaagca | ctccaaagtt | tgagacacgc | ctcaaaggtg | gagtggttct | gtggggggca | 35460 |
| gaaaggaaaa | tgcaaagggg | gaaggggtga | cacttgggga | aggtttcaga | caataccgag | 35520 |
| tggaaaggg | ctgtgccagg | gtggggagta | acagatagag | gaggcaagag | gagtggagac | 35580 |
| caagccagac | cggggaggag | ggggccacag | ccaaggtgag | acaggtcagc | agccagaaac | 35640 |
| cgaagcagac | acttgcaggg | tgacccccgc | cctctcttcg | tggcaatctg | agaccgagga | 35700 |
| cgtggagacc | ctggagagcc | cccaaccttg | tttctggggg | gtgggtcaga | gaggaagcct | 35760 |
| ctcatccccg | ggcaccagcg | gccttcccgg | gaggctcaac | acgcagatac | ctggataggc | 35820 |
| gtccatcact | cccccgcca | gagcccacca | acgctcctcg | aggtccgacc | ttgtccctcc | 35880 |
| ttctacccca | cagtccccag | tcctagctca | tctgcataaa | gctccaatta | acatgttttt | 35940 |
| cctttgctat | ttgcatccc | agaactcggt | ccccaccccg | agcccgcttc | ccgcgcgttc | 36000 |
| ctcgccccctg | ggaggggcgg | cccatttaacc | ctcgcgacc | gggcgcgtcc | tggcggtcct | 36060 |
| gaccccgcca | cccccgccc | cggcgggggt | ctgggggtga | ggggcgcgcc | ctggggcaga | 36120 |
| ggattgcgcg | gcagggtctg | ccacagggca | gaggccaggg | ctctccggga | aaaaggcagg | 36180 |
| cgcatatatg | ccccctttc | tgggaaaaga | cggggagggg | ggcttctcct | gggagactcc | 36240 |
| aggcttcgaa | attcctcggt | ccctatcctc | cgcccccg | acccctcctc | ctccccgcca | 36300 |
| cgcaccctct | ccccccccca | gccatctggt | ccactccgca | gcgcgcgac | aaacacggct | 36360 |
| ccagctcgct | tccgccccctg | cccagcccc | tccccaaagg | ccggggagtg | ggggagtgag | 36420 |
| cagacgcct | tctcctagga | ggccgggaatt | tctgcctcca | tctcccaccg | gggtccggct | 36480 |
| ggccagaggc | aagcttcgag | acccccacc | aaccaccacc | accgttgcca | gggcccgtga | 36540 |
| ggctgcagat | aacgcttgca | aggagcggag | tcggggaggg | tgtagggcga | gtttaaaggga | 36600 |
| cgggcagagc | aagccccggg | aaagggcag | ggttttccct | ccgggtcg | gccccccg | 36660 |
| accctcggag | ccagccgcag | ccacgcagcg | ccgcctgccg | ggcacaccaa | ggacctggcg | 36720 |
| cgcacgtggc | gcttaccccc | acccccgggt | ccgctcctgg | ctcgcgctca | gcctccccag | 36780 |
| actattcgca | aattgaggat | cccgacaca | gagtgcagag | accccgcaa | gcctactgaa | 36840 |
| agccagccga | acccgctggg | gggtgctagc | caattctgat | tttgtacttt | acaaaaacaa | 36900 |
| aaaaagtcag | tgttggaagt | cgggagtcctg | ggctcagagc | agcagggatc | tgcatgtgta | 36960 |
| ccttgccaag | tctccagacc | cctgaggaca | ggttttcccta | tctgaaaacg | gaggggacag | 37020 |
| tctctcttat | taactttctc | agagaaacaa | agacaaaagg | agggaaaatg | gcttagctgg | 37080 |
| aatgtgtct | tcagagacca | acctttggag | gtgggggaga | tggccaaggc | ctctgaggtc | 37140 |
| actcttgccc | ccaggagcag | ctgagaaccg | gaagaaagta | tgggacctcc | tttctgcaga | 37200 |
| gctatccttt | ccacagactg | ccgaggttcc | aaattgagct | ccaccacctc | acactgtgtg | 37260 |
| cccttgggtg | tgtgccttaa | cctctctggg | cttgtttccct | acagcgacaa | gaaagaatga | 37320 |
| caacaccaac | ctcttaggct | atagtttgga | taaaatgaga | tagctgtgta | gaacagacag | 37380 |
| atcctaacc | aatgttagtt | ttcccttcat | ttggggactt | gctctaacct | ccagggtcta | 37440 |
| tgtcccagag | gcacaagcag | gtgcagggct | ggataaataa | ggtatgtctt | tctgcaggat | 37500 |
| ctcttgtcct | cactgatggg | gtcttctctt | gatatagata | atttttaaagc | ttcactgtat | 37560 |
| ttattttatt | acttttaaagc | ctcactttta | tgttaaaggt | aaatgtaaat | atagataaac | 37620 |
| aggaagctc | aaaatttgca | taaagtttta | agataaaaat | ggagactcca | aaaaagtgtt | 37680 |
| actttcgcca | ggccctaggg | atgctatggg | gggaagtttg | agtcatacct | tagcattctt | 37740 |
| tctaaagcat | tctgtcctaa | tctctgttat | ggagaaaagc | cagcttctctg | gatgtacccc | 37800 |
| aaatcctggg | aagttagggg | caggagctgg | actccctcca | agcactaagg | gcagggcag | 37860 |
| gttgggaaca | gggaggtgag | ccagacagcc | agaggcgaac | gggctggcat | gccaaagcgtc | 37920 |
| ctagttaatg | cccagctgag | cctgggtgaa | gaaggatggg | gggtgggg | | |

| | | | | | | |
|------------|-------------|------------|-------------|-------------|-------------|-------|
| accgctagaa | ggagataaga | ggcaccctgg | tctcctccaa | cccaaggagg | aagaaagctc | 38340 |
| aacccctcta | ggatagggac | tgtcttcagt | caatggagcg | ttgacttagg | gggcgttttt | 38400 |
| gaagggtttt | tttcctcctt | tttgacgtct | ttacaaaaat | agaacttctc | ttgggtattta | 38460 |
| taaatctacg | gccatggctc | tatgtgcatg | ttacaggtag | aaaagccata | tggggcactc | 38520 |
| cttttggttg | ctcaggcctt | gattgcctgt | catccagggtc | ccttggtctg | agaagtctat | 38580 |
| gcggtcacct | cagagccgct | aagcaccttc | agtgggcca | tccattggc | ggcgactcc | 38640 |
| tgctggagcc | gggcacggta | atagaagagg | taggaaggca | acaggaatcc | caggagttag | 38700 |
| aatagcagga | ggcccagatt | cacctttagg | gcaaggagag | agaaacagag | tcaagttaggt | 38760 |
| agtcacatgc | ccttagcctc | ccacaggagg | gagaaggcgg | ccatttttct | ccaggctcctg | 38820 |
| agccagaata | aatacagcta | gtacttatta | tgtgtagtca | ttgttccacc | agtatctcac | 38880 |
| ttaatgttca | gcaattctgc | aaagtggctg | agatgagact | tctcagggtat | aacaagtgcc | 38940 |
| agggcctggg | gggtgcccac | accatatggc | actcactagg | taggtatgag | gaaggcacag | 39000 |
| cactgtagga | gtctgggctg | gtcagggtgc | tcccgaatg | gggccttctg | ggctcaccctc | 39060 |
| tctgaccttt | ggagatgtta | accaatggga | tcccgttcag | gggtggcgaga | ggaggctctc | 39120 |
| agacacagtt | caaggaactg | ggatgcacag | cctgggtggac | agaaggcttg | gaaggcccag | 39180 |
| gacacgcggg | ctctgactcg | gttcacatcc | cactctgcat | tactcactgt | gtgactttgg | 39240 |
| gcaaataatg | gcaattctta | ctgagtgcct | ccttctcagg | gctgttgtgg | cgaagatgta | 39300 |
| agttaaaaaa | aagtatgcat | catgcttagc | acatagttag | tgcttggtta | atagaagcag | 39360 |
| ttatttcata | acaattcttt | gggaggaggg | tttacgtgtg | gggtggcccca | cagggcagat | 39420 |
| gaaagatcag | cgtcaggggag | gcagatgagt | tcaatgtaag | gaaaagactt | actaacagca | 39480 |
| gcagggtctc | ctcgtgcagg | agtgggtgct | ctaccactga | gggtatctaa | gctaagaggg | 39540 |
| aagggtcccc | tttcaggggt | gctggagaca | ggatcccaca | ctaggtagaa | ctggagtggga | 39600 |
| ccaatgggtg | ctgaacacag | gcccgaaggt | caggactggc | cacttcacaa | agcacctgga | 39660 |
| gtttactaaa | aacagactcc | taggaggtca | ggcactgtgg | ctcacgcctg | taaccccagc | 39720 |
| actctgggag | gccaagggtga | gaagatcatt | tgaggccagg | agtttaagac | tagcctgtgc | 39780 |
| aacatggcaa | gaccctgttt | atctgtacaa | aatttttttt | taaaaaatta | gccaggtagt | 39840 |
| gtagccatca | cctgtgggtg | cagctactca | gaaggctggg | gccggaggat | cgcttgagcc | 39900 |
| caggaatcag | aggctgcagt | gagctgtgat | tttaccaccg | cactccagac | tgggcaacag | 39960 |
| aacaagacac | cttctctaca | aaaaaaaaaa | aacaataggg | ccgggcgcgg | tggctaaggc | 40020 |
| atgtaatccc | agcacttttg | gaggctgagg | agggcagatc | acgaggtcgg | gagatcgagg | 40080 |
| ccatcctggc | tagcagggtg | aaaccccgtc | tctactaaaa | atccaaaaaa | aaaaaaaaaa | 40140 |
| ttagctgggc | gtgggtgggtg | gcgcctgtgg | tcccagctac | ttgagaggct | gaggcaggag | 40200 |
| aatggcatga | acccgggagg | cggagcttgc | agtgagccga | gatcgacca | ctgcactcca | 40260 |
| gcctgggcaa | cagaatgaga | ctccgtctca | aaaaataaaa | ataaaaaata | ataaataaat | 40320 |
| aaaataacaa | taaattaaaa | acaaaaacag | actcctacgg | tcaggctgag | atatcctgat | 40380 |
| tcaggggact | ggggaatctg | tatttttaac | actccgtgag | gggttctaaa | aggcagacaa | 40440 |
| cttggaacc | tgcagattag | agacctctga | ggtgcctctg | gctgagatga | gtgagggatg | 40500 |
| gcaccacata | caaggcccta | cccctgcccc | caggagagtg | gctcctgctc | ccccacacc | 40560 |
| aaccctcgct | ctcaccacga | agggtctctc | tttcaggggt | cccaccatcc | ccatgaaaaa | 40620 |
| tggctgctga | agcaaggcga | acacagcact | ggtgagggac | tcagggcctg | tcagcgtccc | 40680 |
| aaaagggggt | ggatgggaac | ctgtcccaaa | aacgggagat | caaagggtgg | tgggggcctt | 40740 |
| tcagcccagg | caagaacttt | ttcttttctc | tcccaacatg | ggnnnnnnnn | nnnnnnnnnn | 40800 |
| nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | 40860 |
| nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | 40920 |
| aagaaaaaaa | aatctttaaag | aataaggata | taaagaaaga | aaatatTTTT | gtgtagctgt | 40980 |
| tcaatgtttg | tatttcaagc | caagtgttat | tacaaaacag | tcaaaaagttt | ttaaaaatTT | 41040 |
| aaaagtttat | aaagtaaaaa | agctaagtaa | gctagggtta | atTTTTTTat | cgaacaaaga | 41100 |
| aaaatatctt | tgtataaaact | tagtgtagtc | taagtgtaca | ttgtTTTTat | tttatttatt | 41160 |
| ttttattttt | ttgaaatgga | gtttcactct | tgttgcccag | gctggagtgc | aatggcatga | 41220 |
| tcttggtcca | cggcaagctc | tgtctcctgg | gttcaagcga | ttctcctgcc | tcagcctccc | 41280 |
| aagtagctgg | gattataggc | acccgccacc | atgcatggct | agtttctttg | catttttttt | 41340 |
| ttgaaatgga | atTTTgtctt | ttgacccagg | ctggagtgc | atgggtgcaat | ctgggctaaa | 41400 |
| tgcaacctcc | acctcccagg | ttcaagagat | tctcctgcct | cagcctcctg | agtagctggg | 41460 |
| attacaggca | tgcaccacca | cactcggcta | atTTTTgtat | tttttagtaga | gacagggttc | 41520 |
| tcaactaaag | agaacatgt | tggccaggct | ggtctagaat | tcctgacctc | aggtgatcca | 41580 |
| cccacctcgg | cctcccaaag | tgctgggatt | gcaggcatga | gccaccatgc | ccagccagta | 41640 |
| tacagtgttt | ataaagcctc | cagtagtgta | cagcaatgtc | ctagaccttc | acattcactt | 41700 |
| actactcact | cactcactca | cccagagcaa | ctgccagtc | tgcaagctgc | atgcatgata | 41760 |
| agtgcctcat | ataagtgaa | cattttttta | tattttatac | tatatTTTTa | ctgcaccttt | 41820 |
| tctatgatta | gctacacaaa | tgcttaccat | tgtgttacaa | ctgcctacag | taatcagtac | 41880 |
| agtactatgt | atgggtttgt | agcctaggct | ataccatgtt | gcctacgtgt | gtagtcgtct | 41940 |
| atactgtcta | gtttgtacac | tctatcatgt | ttgcataaag | ataaaatcac | ctaatgacac | 42000 |

| | | | | | | |
|---------------------|-----------------------|---------------------|-----------------------|---------------------|---------------------|-------|
| at tt t c t c t g a | g t g t a t t c c t | g t t g t t a a g c | a a c a c a t g t a | t a a a c a t t t a | c a a g a a a t a g | 42060 |
| c t c a a a t t t t | t t t t t c t t t t | g a t a c a g g g t | c t t g c t t t g t | c a c c c a g g c t | g g a g t g c a g t | 42120 |
| g g c g c a a t c t | c g g c g c a c t g | c g a c a t c t a c | c t c c c c g g t t | c a a t c g a t t c | t c c g g c c t t a | 42180 |
| g c c t c c t g a g | t a g t t a g g a c | t a c a g g c a c g | c a c c a c c a c g | c c t g g c t a a t | t t t t t t g t a t | 42240 |
| t t t t a t t a a g | a g a t g g g g t t | t t g c c a t g t t | g g c t a g g c t g | g t c t c g a a c t | c c t g a c c t c a | 42300 |
| g g t g a t c t g c | c c g c c t t g g c | c t c c c a a c a t | g c t g g g a t t a | c a g g c a t g a g | c c a c c a t g c c | 42360 |
| c a g c c a t t a c | g t t t t t t t g g | t t g t t t a a t t | t t t t t t t t t t | t a a g a g a c a g | a t t c t c a c t c | 42420 |
| t g t c a t c a a g | g c t g g a g t g c | a a t g g c a c a a | c c a t a g c t c a | c t g c a g c c t c | c a a c t c c t g g | 42480 |
| g c t c a a g g g a | c c c t c c t g c c | t c a g c c t t c c | c a g t a a c t g a | g a c t a c a g g t | g t g a g c c a c c | 42540 |
| a t g c t c a g c t | a a t t a t t t t t | t a t c t t t t a t | t t t t t g t a g a | g g g g g g g t c t | t t c t a t g t t g | 42600 |
| c t c a g g t t t g | t c t c a a a c t c | c t g g g c t c a a | t c a a t t c t c c | t g c t t t g g c c | t c c c a a a g g g | 42660 |
| c t g g g a t t a c | a g g t g t g a g c | c t g a a a a c c t | t c t a g t g t g g | a a g t g g a a g a | t a g g c c c a g g | 42720 |
| c c a c t t a t g t | t t t c a a g t t a | a g c a a g g t t t | a g g t c a c t t a | t g a a g c c t g a | c t a g t t t t g t | 42780 |
| t t g c t t a a g g | g a t c t g c a g g | c c t g a c c t c g | g t t t t c a t t t | g t t t t a a c a g | t g t c t a t g t g | 42840 |
| t a t g t g t g t g | t t t a t g t a c g | t g c a t g a t g g | g g g g a a a g c t | c a g a a a t c a a | g t a a g c c a a a | 42900 |
| c a c a a a c a t g | t a a t t a t a a g | c a g g g a t a a a | t t c t a t g a t g | a a g a a g t a t g | g g c c a c g g g a | 42960 |
| g a g t a c t t g t | g c c a g t c t g g | t g a t c a g g a a | c a a t g t c c t t | t g g g a a g t g a | c a t t t g a g c c | 43020 |
| a t g c c c t g a a | g t a c g g t a g g | a g t t g g t t a g | g g g t g a g g c a | g t a a g a c c c a | g a g c t g g g g c | 43080 |
| t t c c t g c a c a | a g c t c a g c t g | g g c a c t g a g g | a c c c a g t g g a | c t c t g c t a c a | g g g c a g t g a g | 43140 |
| g a g c a g a a a g | g c t g a g g a a g | g c t g g g t g t g | g t g g c t c a c a | c t t g t a a t c c | c a g g g c t t t g | 43200 |
| a g a g g c t g a t | g g g g g a a a a t | c g g t a g a g c t | c a g g a g t t t g | a g a c c a g c c t | g a g c a a c a t a | 43260 |
| g c a a g a c t c c | a t c c c t g t a a | a a a g c t t t t a | a a a a t t a g c t | g g g t g t g g t g | g t a t g c a t c t | 43320 |
| g c a g t c t c a g | c t a c t c a a g a | g g c t g g g g t a | a g g a t t g c t t | g a g c c t a g g a | g g t g g a c g c t | 43380 |
| g c a g t g c g c c | a c g a t t g t g c | c a c t g t a c t c | c a a c c t a g g a | g a c a a a g c g a | g a t c c t g t c t | 43440 |
| c a a a a c t g a a | t g a a t a g g c t | g t g t g c g g t g | g c t c a c t c c t | g t a a t c c c a g | c a c t t t t g g a | 43500 |
| g g c t g a g g t g | g g t g g a t c a c | c t g t g a t t g g | g a g t t t g a g a | c c a g c c t g g c | c a a t a t g g t g | 43560 |
| a a a c c c g a t a | c a a a a a t t a a | c t g g g c a t g g | t g g c t c a c a t | c t g t a a t t c c | a g c t a c t c g g | 43620 |
| g a g g c t g a g g | c a t g a g a a t g | t c t t g a a c c c | g g g g g g c a g a | g g g t g c a g t g | a g c t g a g a t c | 43680 |
| g c a c c a c t g c | a c t c c a g c c t | g g g a g a c a g c | g a g a c t c c a t | c t c a a a a a a a | a a a t a a t a a t | 43740 |
| a a t a a c a a t t | a a a a a a a a a t | t a a a a g g c c a | g g g a c a c t g | g c a g c c t g t c | c a a g g t t t c a | 43800 |
| g g t c a c t t t a | g t a a a g g g a g | a a c a a t g g c t | c c t c c c a g g a | c c t c t g g g a t | c t c a g c a t t g | 43860 |
| a t a c g a c a g t | c a t g g a a a t g | c t a g g g c c c a | g g c a g a c c a t | c t c a g g g a a a | a c a a g t g g c t | 43920 |
| c t g c c c t g c c | t t g g c c a c t t | c c t g g c c c t c | t g c a t g c c c c | a g g g t c t c a g | c a c c a a g c t g | 43980 |
| t t c t c a g t g a | g t a g c t c t c a | t t t a g t g c c a | g g g c t c t c g g | g c t t a c a t c c | t a c g a t g a c g | 44040 |
| a t g g a a t g c a | t a a a a g a t g g | g g c t g t g a t a | g c c c a g a g c t | a g g g g t t t g a | a t c t c a t g a g | 44100 |
| a t g t t c a t g g | a g c c c t g g g a | g g g a g c t c a g | t g c a a g t t c a | t t t c t c t t t t | t t g g t t g a g a | 44160 |
| t g g g g c t c a g | a g g a g g a a g g | a c t t g t t c a a | a g a c a c a c a g | g g a g t g t t t c | a g t g t g g g a c | 44220 |
| g g a g g t t t a t | g g a g a a a g g g | t g a c c a t c c a | a g g c t t g g a c | a a a g a t c a t g | a c t t c g a c c a | 44280 |
| g c a a g c c t c a | a c t c t g t a g a | c t t g g t g g g g | g c c a g g c c c t | c c c a a a c a c a | c c t g a c a g g t | 44340 |
| g t c t g t g g t c | t t g g g g a c a t | t g t c g c t c c c | c t t c t g c t g | a t g c t c t g c t | g t c c c t c t c c | 44400 |
| c a t g a a g c t c | a t c t c t t c g c | c g t c c c c c a t | c c t t g c t g a g | a g a g g a t g g g | t t c t c t t c t g | 44460 |
| a c c a a t a c t g | a a g a t c t t t a | g t a a a g t t c t | c t t t t t t t t t c | a t t t t c t g a a | a g t c c c t c t c | 44520 |
| t t g a g a a a t c | a g g a c a a g t g | a g t c a g g g c c | a g g a c a a a a a | a c a g t g t g g g | a c g a g t g t g g | 44580 |
| t g g c t c a c g c | c t g t a a t c c c | a g c a c t t t g g | g a g g c c a a g g | t g g c g g a t c a | c t t g a g g t c a | 44640 |
| t g a g t t t g a g | a c t a g c c t g g | c c a a c a t g g t | g a a a c c t c g t | c t c t a c a a a a | t a c a a a a a t t | 44700 |
| a g c c a g g c g t | g g t g g t g c a t | g c c t g t a a t c | c c a g c t a t t c | g g g a g g c t g a | g g c a g g a g a a | 44760 |
| t c a c a t g a a c | c c a g g a g g c g | g a g g t t g c a g | c g a g c t g a a a | t t g g g c c a c t | g c a c t c t g g c | 44820 |
| c t c t t g g c a a | c a g a g c c a g a | c t a c c t c t c a | a a a c a a a a a c | a a a a c a a a a c | g a c a a a c a g t | 44880 |
| g t a g a c t t t g | t g t t t t t t c t c | a a a a g c a c t g | t c a a g c c a g t | g c c c g c a g c a | g t g g g c c t a g | 44940 |
| a c a c c t c c a g | t c t t g c c t c a | g g g t c a g t t t | c c a g c c t c c c | t g g a c a c t t c | c c c c a g g t a t | 45000 |
| g t g t a c t t t t | t g a t t g t c c t | a a a t c c a g a g | t c t g t g g c c t | g a c c t g g t t t | g t c a c a g c t c | 45060 |
| t c a g t c c c t c | c c c a t c c c g a | a t c c c a g g g a | g c c g c a g g t g | t g t g c a g a a g | a g g c a c a c c a | 45120 |
| c a c t c a a t a c | a t c t t g c a t c | c t c g c t g g a c | c c a a t c c a t t | g g c t t g g t g a | t g t a c a g a c t | 45180 |
| g a g c c t c a t t | a t a g c c g t t c | g t t c c t g t t g | a c c t t t c c a g | a t c a a t c t g c | c a g c t t g g c t | 45240 |
| t c t c c g a g t t | t c g c t t g t c a | g c a t t t c t c c | a a t c c c a t c a | t g t a c t t t g g | a c c t c t t t g t | 45300 |
| t g g g t g g c t t | g c t t t a t c t g | a a a t t t t c a g | a t t t g a c t t c | a g g t c t c t c c | t t t g t c c c t t | 45360 |
| a a t a t g g c t t | a a t g g t g g a c | c c t g t c a g g g | g t a g a g a a a a | t a t t g a g g a g | c c c t g a c t t t | 45420 |
| g a g g t g c a c a | a g t t a g a g g g | t t a g a c a a g t | c c a g c c a c a a | c c a g c c c a a g | c t g c a g t g t a | 45480 |
| g g g a g g c c t g | t c c a g c t g c t | c c a c g g t t g a | g g g t g g a g c a | t a c a g g a a g g | c t t c c t t c t t | 45540 |
| g c t g c a g c c c | a g g t g t t c t g | g c t g c c c t a g | c t g c c t g g c t | t t g g t a g a a g | a a a g a a a g g c | 45600 |
| t c t g t c t c t g | a c t t g t c a a c | t a a t g g c a c t | a t g a g a t t g c | a c a t a a t t a a | c c t g g g t c t g | 45660 |
| c t c t t c c a a a | a g c c t t g g g c | c t c t g a c t g c | a a c a t g g a g t | c t g g g t a t c a | c t c c c c a t c c | 45720 |

| | | | | | | |
|-------------|-------------|-------------|------------|------------|-------------|-------|
| ctgcgccact | cacctgctct | ggcgctaggg | gtgtgcctaa | tcacttaatt | tctctgtgct | 45780 |
| gcctcttagg | tatcacttcc | cctgatccca | aatacttacc | aggtgtggga | tgacacctga | 45840 |
| ctagttaact | cttgaggga | tctgcttctc | accggggact | ccgaaaccaa | acgaaaagca | 45900 |
| aggccaagcc | cagcctaaag | gacgcttcct | acatgacttc | aggcttgagg | gggctggagc | 45960 |
| gtgggggtgg | caatggagtt | ggggggggct | caggaggggg | atgtggaagt | gctttgcttt | 46020 |
| gcaaactcta | gagaaccgtg | taaataaggag | tgattattct | gtcccttccc | tttctttcca | 46080 |
| acaggaatca | gcatcccaca | gcccattgtt | agctatgaag | aatggaaact | gaggctccgg | 46140 |
| gaggggtata | gggaggagcc | agcaggggtc | tgagttcata | ttagtgcctt | ttcctccata | 46200 |
| ggcacatctg | tgttttcttt | tatttttatt | tgaatttaat | tttttttttt | tttggcagag | 46260 |
| tcttgctctg | tcgcccaggc | tggagtgcag | tggcgcggtc | tcagttcact | gcaatctccg | 46320 |
| cctcctgggt | tcaagtgatt | ctcctgcctc | agcctcccga | gtagctggga | ttacagggtg | 46380 |
| acaccaccac | accagctga | tttttgcaat | tttagtagag | acagggtttc | acagtgttgg | 46440 |
| ccaggcttgt | cttgaaatcc | tgacctcaag | tgatctgcta | gcctcggcct | cccaaagtgc | 46500 |
| tggattata | ggtgtgagcc | actgcgctcg | gccacatctg | tgttttaaat | gagaggaaag | 46560 |
| gggataatgt | gcattttgtg | gaagcttggg | ccgtttgtgt | ctaggactct | tatgatcttc | 46620 |
| ataagttttc | ccccaggagg | gacactgttc | cacttaggga | gtcaggaccc | ccagtcctta | 46680 |
| caagattcag | cctctcaaaa | tggagacagc | agttccaggc | ctgggctggg | ttctgttcac | 46740 |
| actaggagag | ggcaagtga | tgggtgttgg | gatgtgggga | agtattatga | aaacagagat | 46800 |
| gctccaattc | ctagtgatag | gaaaccatta | agctacttgg | catcttaaaa | ccaagagcgg | 46860 |
| ttcaagttct | gagattgtta | acacacctta | caacaccgcc | gccgttatta | ggaagaagct | 46920 |
| ctgtttgatg | acgtcccaca | ctgtgggtac | ctttatgaac | aggaatttgc | tttttcaaat | 46980 |
| cccagagaag | taagattaaa | gttggctgtt | ctccatcctt | gaaaaatttg | gttttaggg | 47040 |
| gaattcaaga | atgactgacc | atacagaatg | gggagcaaac | ttgggaagaa | agaaggcaca | 47100 |
| gttcagagct | ctcccaatag | tcacccctga | actgcacccg | gaccatcagt | tatctctgtg | 47160 |
| ggtagagctc | aggaatctaa | aatccatttt | aaaattaaag | tatatcgggg | ctgggcgcgg | 47220 |
| tggctcatgc | ctgtaatccc | agcacttttg | gaggccgagg | tgggaggatc | acgaggtcag | 47280 |
| gagtttgaga | ccagcctggc | cacatggtga | aaccccgctc | ctactaacia | tacaaaaatt | 47340 |
| agccaggcat | ggtggcagac | acctgtagtc | ccagctattc | ggaaggctga | gtcagaagaa | 47400 |
| ttgcttgaac | ctgggaggca | gaggttgtag | taagccaaga | ttgtgccact | gcactccagc | 47460 |
| ctgggcaaca | gagggagact | ctgtctcaaa | aaaaaaaaaa | aaaaaattta | agtatgtcat | 47520 |
| acatactggt | acaggcacag | accttaagtg | tacagcccaa | tgaaatttta | cacatctata | 47580 |
| cagctatata | ataccacctt | atatcaagac | acattccagg | aactcagact | ccatcatacc | 47640 |
| cctcctcagc | agaggtaaca | gacccacacc | tctcctgctc | cggtggtaat | taaccactat | 47700 |
| tctaactttt | ctatcaatta | gttttgccca | ttcttgagct | tcacacagat | atacattgtc | 47760 |
| aggcatgatg | actcatgcct | gtaatctcag | cactttggga | ggccgagacg | ggagtatcac | 47820 |
| ttgagcccag | gagttggaga | ctactctgga | caacatagtg | agacccccga | ctctacaaaa | 47880 |
| aaaataaatt | agctggctcat | ggtgggtgct | gcctgtagtc | ttagctattt | gagacgctga | 47940 |
| gagaggagaa | tctcttgagc | ctgggagggt | gaggctgaag | tgagccgtga | ttgcaccact | 48000 |
| gcactgcagc | ctaggtgaca | gagtgagatt | ctgcctcaaa | aaagaaaaaa | tatggccggg | 48060 |
| cgcggtggct | caagcctgta | atcccagcac | tttgggaggc | caaggcgggc | ggatcacagag | 48120 |
| gtcaggagat | ggagaccatc | ctggctaaca | cggtgaaacc | ctgtctctac | taaaaataca | 48180 |
| aaaaaagaaa | gaaaaaaaaa | ttagccaggc | atgggtggcg | gctcttgtag | tcccagttac | 48240 |
| ttgggaggct | gaggcaagag | aatggtgtga | acccgggagg | cagagcttgc | agtgaagcga | 48300 |
| gatcgcacca | ttgcaactca | gcctgggcga | cagagtaaga | ctctgtctca | aaaaaaaaaa | 48360 |
| ggaaaaagaa | aaaatatata | tacattgtgt | actttttggc | atctgggtta | ttttgtctaa | 48420 |
| tatcacatct | gcgaaattaa | tctacactgt | gtgtatgaaa | ggttgggtct | ttttgttgtg | 48480 |
| atgcagtatt | ccgtcgtgtg | actacgggac | aatttgctta | tccgtattcc | tatcggtggg | 48540 |
| catttgggct | gttaccagg | tctggctgtt | atgaataaag | ttgctatgga | tattcttgta | 48600 |
| cactacttct | ggtgagcgta | tgcaactcatt | tcgcttatgt | aaatatcttg | ggtggaatta | 48660 |
| cctgatcata | aggtagggtg | gttggccttg | taatgtgctg | acttgggtat | gctgaattcc | 48720 |
| cttttttttg | tatttctggt | tagagcggaa | catgagggtg | tctcttcagg | gaatctggag | 48780 |
| ggtggaaggg | aagcaggagt | cggtttcttg | ctcacacatg | ttgtgactga | actgctggta | 48840 |
| cacctgggtg | gcatggagct | ggcttctcct | ttggcggtgc | ctactgttgg | ggcagggtgtg | 48900 |
| tatgtgggtta | gctccatgca | atgaacccgg | gcttctgcaa | aatacattaa | caacgacaga | 48960 |
| gacaacaaaa | gctgatgtgg | atttaaaggc | ttcagttcan | nnnnnnnnnn | nnnnnnnnnn | 49020 |
| nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | 49080 |
| nnnnnnnnnn | nnnnnnnnnn | cagcagtggt | tctcaactga | gcatagtttt | gcctcagagg | 49140 |
| ggacattttg | taattgtctg | agacattttt | tgattgtcac | agcccagccg | agaaggtact | 49200 |
| actagtattc | ttttggtaga | ggctagagag | gctgtctaac | atctaacaat | gcacaggaca | 49260 |
| ggcctctgta | acaaaagaag | atccagtcaa | aaatgtccac | agtgttgaga | ggttttaggta | 49320 |
| agtaggcgct | aaaacataag | gagactgtgc | ctgagagcaa | gaaggagtaa | ttggaaagtg | 49380 |
| ctgggtgtgat | tagctctggg | ttttagaaag | ctcatttttg | ctgctttag | acagtgcac | 49440 |

| | | | | | | |
|-------------|-------------|-------------|-------------|-------------|-------------|-------|
| agaggtggag | gaggggtggt | agactggagg | cagggaaagt | aatttgggag | ccactgaaat | 49500 |
| gatccagggtg | aaaaacgggtc | agcagggtgac | taggaaagt | gcagaggcaa | tggggatggg | 49560 |
| tggctggatg | agatgggtgaa | gaaagcacta | taactaacta | atgtgtggat | gatgggcagg | 49620 |
| aggggtgaag | gatgaccaga | gtcctgcctt | gcagggtctag | ttggaagggtg | atggtttctc | 49680 |
| ctgagaaagt | gaccacaaaa | agtgaagcag | gtttgtgctg | gtgtgtgtgt | gtgtgtgtgt | 49740 |
| gtgtgtgttg | agttcagttc | gagatgtgtt | ggactcacia | tgtccatggg | acatccaagt | 49800 |
| ggagaagcat | cttgggtgac | catatgtgtg | agtctgcagc | tcagaaacag | gcctgggggt | 49860 |
| ggagatgaag | acttgggaat | gatctgcgtg | tatatgttgg | agcttgagcc | acaagagtag | 49920 |
| atgacataac | ccgtgggtggg | tgtgcagaat | taggagagac | gtgcaccaag | aagccagggtg | 49980 |
| atcccccaata | tttaaccatc | tggagaataa | agaggagcct | gccaacagaa | attggggagg | 50040 |
| aatggccaca | aaggctactg | agaaggggaag | cagttcttaa | gaagggggaa | gtgaaggagt | 50100 |
| atcactactg | cagagggtcaa | gtaggataag | aactgaagaa | tgtctgttgg | gtttgggcaat | 50160 |
| ggggtagtca | gtgggcacct | gggcaaaagc | agtttgggtg | gagcaatagg | gataacagaa | 50220 |
| acaagactgc | tatggtaaga | ggaggaagag | ggtgttgagg | aagtggccag | cgagtctaca | 50280 |
| ccacttgctg | gaggagcttg | gctttgggtg | aaagcagaga | agccagctca | ctcattgact | 50340 |
| taacctccaa | gaaacacaaa | atcatccata | tcctgggtca | aattccagca | ctaccaggag | 50400 |
| atgggtggcc | cctagaaatg | ccatcccaact | tctcctctgc | ttatcctatc | ctatctgtca | 50460 |
| gtctgttgag | cccagggttaa | gcgctacctc | ctcaagcaag | ccttctctgc | ctgccgtcac | 50520 |
| actttaagt | atcctgacaa | cactgaaaat | gtgtgtctct | tccattcatg | ttagttctac | 50580 |
| acttctgagt | atctcctcaa | tatatgtcct | tgttttacta | atatgtctgt | tctgtttgct | 50640 |
| ttatttatca | gctaccttaa | acctccctgc | aactagagat | tctctttaag | tattgttgta | 50700 |
| ataaatgaat | gaatcaatcg | atgatccaga | gcctgttaga | ggcttgtgtc | catgggtggat | 50760 |
| gaggctcaga | aaatacctgt | agaatcgaaa | taaatgcatg | tgtgtctctga | tctaaactca | 50820 |
| gctaaacttt | ctccaggggg | ttaaagttaa | ggtgattagt | caattgatta | attaattcat | 50880 |
| tatgtaatgg | aaaaactcct | tctatgacct | gggcagagtt | ataggcagtg | aacaagacag | 50940 |
| acaaggtcct | tgttgtcatg | aagtttgctt | tctgaaggag | agagataata | aacaagaaac | 51000 |
| cagtaagaaa | gcaagattat | atcatttttg | taaatgttct | tgtggaaata | aatgtgatga | 51060 |
| tgtgtaacaa | aagtacacaa | taggagagtg | gggtgggtgg | gcttctttta | gaaagagttc | 51120 |
| tcggagaagg | cttatctgag | gaggtggcct | tttaaccagt | acaaatgctt | tagcttggcc | 51180 |
| agtggagctg | ggaccaggat | gacaagggtc | actgtcatg | ccagtgaagt | tgaagcttga | 51240 |
| gacaagagcc | tgatcatgaa | agactttgca | gatgttggtg | atgggtttgg | gttaattgct | 51300 |
| actatgtggg | aagactttga | atgggaagca | tggggacaat | ggcctgtgat | acatgttatc | 51360 |
| aaatatggtc | gcaggggcta | gtgaggtggc | agcagagata | gggagaagta | gacggactgg | 51420 |
| ggaaggtaga | agatggggca | ggggaggcaa | ttactgcaaa | gacatatcc | ttctaagctc | 51480 |
| actgagtgtt | catggtctct | gggagcagag | gttcctggag | gggaaagagg | ataatgtcac | 51540 |
| ttcctgagga | agcgggaaga | acccatctga | gacgtgggga | ctgtgctgg | tcgtttctaa | 51600 |
| ggggccttcc | agatctcaca | tgccaatcgt | cttgggtctat | gtcaattggt | ggggcatcca | 51660 |
| aatggggaac | tgttgtccag | gccgatttca | cagaacaacc | gcccagtcga | tatctcccga | 51720 |
| gccattcacc | cttgcagtg | cgttagctct | ttcaccagct | tttatctgcc | ccgtggggat | 51780 |
| gttgggcaag | cccagttaac | aagcagttga | tcagccccag | agatcaggtc | cctggagtct | 51840 |
| gtcacttttc | tgagggtggg | gagagaatcc | tggagcagaa | catgtaacta | gaagggccac | 51900 |
| ctggcttcc | atgggtctgag | ggagagaatg | gtgggatctc | tggcctgaat | caaacctccc | 51960 |
| tttctcagtg | tccatcttac | ctctctgctg | taccttcgtt | attttccagc | agctcctcag | 52020 |
| cccgttccctg | tgggaccctt | ctctgccaat | ccctacaccc | actgtaaatt | tcaccgtggg | 52080 |
| aggagatgg | gccttgagg | ctgtattagt | cttctattct | gcataacaaa | ttgcctcaaa | 52140 |
| tttagcagct | tcaaacaact | catgtttatt | agctcatcgt | gagttcatca | gcagtgtggg | 52200 |
| cccagcatgg | ctaggttttc | tgctcagggt | ctcacaaggc | taaaatcaag | atgttgtctg | 52260 |
| ggctgtgtgc | tcatctggag | tttaggggtc | tcttccaggc | tcacgtgggt | gtggcagaat | 52320 |
| tctgttccct | ggagttgcag | ggctgaggtc | ctgttttctt | gctgactgtc | agatgagggc | 52380 |
| tgctctcagg | tccctogagg | tgcccacatt | gcttgccacg | tgcgtgggtc | tttccatcct | 52440 |
| tgaagccagt | gatggagaat | ttcccttgga | ttgaatcacc | cacatggttg | gactctctga | 52500 |
| cttcaggaag | agagccctgt | ctcttttatg | ggatcacctg | attagatcat | acccatagag | 52560 |
| ggcagttcct | tttcccttaa | gtcaactgtg | gcatgtaaca | tcacacaacc | acaggagtaa | 52620 |
| aatccatcat | atttacagtc | ccagggtatta | tgcacagtgc | accaggggac | aactgaattc | 52680 |
| tgcctgtcaa | aagggccaag | caggacttta | ttggtgaaga | acagtggaa | gtcattcttg | 52740 |
| gttcttccag | aaaaaaatca | ctcagtaaag | ttagagggtc | tcttgccctt | tgggaagtca | 52800 |
| tcaaagaatc | tcatggagg | tttggaacct | caccttagaa | acatcacacc | atgttttcta | 52860 |
| taattgcagg | gttcatgggtc | ccttgaagcc | tattcatagt | ttccagggtg | aaaagctctg | 52920 |
| ctgcagggtg | tggggaggga | tgagggtgga | ggtgagggtg | gaatagtgtg | agctgcata | 52980 |
| ctggagctgt | ggtgggtttt | ttagtcttta | agctgtcatg | tgttgggggt | tgggcatggg | 53040 |
| aggggcatcc | caagagctcc | ttgggtattga | caccatctcc | aaggtgatct | ctgctctgcc | 53100 |
| tggtgcacac | atgtttttct | cctgttgcaa | cagccctc | ttgtagaaga | gcagaccctc | 53160 |

| | | | | | | |
|-------------|-------------|-------------|-------------|-------------|-------------|-------|
| cagtaccagg | tctgaccctg | gacagcttgt | accaggagct | acagcacact | ccccacaag | 53220 |
| cctaaagttg | ggatgagccc | cccgagaatt | agatcagaaa | agattaaatg | cagaggtgat | 53280 |
| ctgtcaggtc | ccctttggaa | gtgctgggat | ggagaggatt | gactgagtct | gttttaggaac | 53340 |
| ctccaagctc | tgtagtaact | ttagggctag | aaaggaggat | gcctaagatt | caggatcctg | 53400 |
| cagtgatgag | tcaacatttc | ttgggggaagg | aggcagggct | gaggattaaa | cggagatgat | 53460 |
| gggtatcggt | ctcttgctca | aaggcactgg | accccaaggc | ctccagctct | tcgctcccat | 53520 |
| ttgaaattca | agtcctgagc | acaccacagt | tgtgatgcag | ggaaagaatg | tgcttatcag | 53580 |
| agagcctggg | caagtgggccc | ccttggtgagt | accgttcaac | ctcattttatg | tcattggcac | 53640 |
| caaaaagtaga | catcagtcct | ttgaaagttt | gattaatgct | ggtcacactc | aaagaccctg | 53700 |
| ggtagcattc | atttactaag | caattactaa | ataccagttt | ctgtgctaaa | tgctgcatca | 53760 |
| gtcaggggtc | ttaatggcag | gcagcagaaa | ctctccttgg | ctgatctaag | tagaaaaatc | 53820 |
| caggactgaa | aggaaaacgga | gtagctcatg | aaattgcagg | aaggggccgga | aaaccagaca | 53880 |
| tggagccaaa | gtcaggctgc | agaacaggtc | tagggaggat | cccactgctg | ctgagaccta | 53940 |
| gaccttgtgt | ctggcaccca | ggatgtttga | gggtcagac | cctggatcaa | tgtatcctgc | 54000 |
| agtgcctctg | tgggtactgc | aactccagga | actcaatctt | gtcaacgcca | ccgccagaga | 54060 |
| gaggccttct | tggcctccat | ctttttggtc | actagctcca | gattcaaaat | cttgaataga | 54120 |
| tgcttcttct | ctttgataga | gcccagtcac | atgctgttagc | tgcaaaggaa | gctgaaaatc | 54180 |
| tattaggaac | ttttgtcttc | aaaaatgaga | ggcctgtcct | ccaccaagat | ccataggaaa | 54240 |
| tggaatccaa | gaaaccacag | gaaggggtga | ggtgactggg | cagctcacag | catgcatgct | 54300 |
| acatgtgaat | tatctcattc | atttctcaca | ctaccagtg | aggtaggtat | tgctatccct | 54360 |
| acttcataaa | tgatgatatg | aggtaacaga | agttaaagga | acttgcccag | gacacgcac | 54420 |
| gcagctatta | agtgcctagc | ccagtcgaat | tgagtctgac | ttggactgtc | tgaccacaga | 54480 |
| agccaccctc | ctgacactgc | ctgtatactt | ccagtgaatg | ttgatgaaat | tttcaggggt | 54540 |
| gctaagctgt | ggatttcaga | tcctggattg | tatgacctaa | aagagagact | tccttaggag | 54600 |
| tgagggtccc | tgaacagtca | actggtttcc | aagaatgggc | tcctctctcat | caccttatga | 54660 |
| cagtaatcct | ctgtccaaca | gccaaagagg | tcctgtgggg | agggcttgca | gatgggagtg | 54720 |
| cgcagagccc | agctcaaagc | tcctgactag | gctcttggtg | agtattcctt | tgattcctgc | 54780 |
| ttctgtcttt | ttaaatcaat | ggagacaggg | gagggttatc | tcctatcctcg | gctcaagatg | 54840 |
| aaatgcatcg | ttcctcggtt | ttctcattcc | ttcccaatgt | gtgtactggt | aacttttagt | 54900 |
| atgaaggaaa | ttacagtgtc | ctgtgcatat | accaaggctg | tccaacctcc | acacctttgc | 54960 |
| tcaagctggt | ccttctactt | gaaatgcctg | tttcttccc | ttctaattgc | atctttccat | 55020 |
| ccaggtagga | atcagctcct | tgggttcattg | agccttttct | gctctgtttt | actatgcatg | 55080 |
| gacttccttc | tgaattagca | gaggatgttt | cctagcttgg | tcttaacctt | tctccttttg | 55140 |
| tttgacctca | atttactcat | cttacaatt | agggtgtaag | ctaattgaat | acaggatcta | 55200 |
| tgcttcactc | tgattttatc | tcacacctgga | tagcatcatt | tttgacacac | aagcaggcat | 55260 |
| atgggagggg | agagaagttt | ggtgccagaa | agaactggat | ttgaattcta | accctgttgt | 55320 |
| ttacgtgagt | acgttactta | accattaatt | acttcaatgt | atatttatta | agtacctact | 55380 |
| atgtgccggg | cactgtacta | agcaccaagg | atacaatggt | gagtaaagag | atgcagcctt | 55440 |
| caccatcacg | aaggaagaca | gatgttaatc | cattaaccaa | gtaatctcac | aagaaaagta | 55500 |
| aaatgactaa | ctgataagga | caagcccctg | gagctacaa | aggggtgtata | cagggcctcg | 55560 |
| atccaatttg | ggcagtggtg | cggggagatc | aggagccaca | cagagcctgg | gttgtctcac | 55620 |
| ttggaaaatg | gggtatcaac | cacctacctc | actaggtttt | taaaatcagg | ttaaatgagg | 55680 |
| taatacttgc | catgaacagt | attttgttga | ttgatgattg | attgaaacgg | agtctcactc | 55740 |
| tctcgcccaa | gctggagtgc | agtggtgcaa | tctcagctca | ctgcaacctc | tacttcctgg | 55800 |
| gttcaagtga | ttctcctgcc | tcagactccc | aagtagctgg | gattacagge | agccacccct | 55860 |
| atgcctgact | aatttttgta | tttttagtag | agacaaggct | ttgcaatgtt | gaccaggctg | 55920 |
| gtctcaacct | cctgacctca | aaagatccac | ccacctcagc | ctcccaaagt | gctgggatca | 55980 |
| caggcatgag | ccactgcate | cagccacttg | ccatgcatgg | catttaaaaa | tgttcagtaa | 56040 |
| atgttaccat | aatgaaggct | ggtaggttgg | ccaactgagt | ggtctgattc | agaaggaaaag | 56100 |
| aagttagaca | tacgtgaaca | tttctgttac | ttgaagatcc | tcaggacagt | gactcctaga | 56160 |
| cccatcttcc | atcacagtca | gctgggaagc | ttttaaaaaa | atgcagacat | ctgaccttca | 56220 |
| cgctagacct | attagccaag | cagaagtttc | tgggcagggc | atctgcataat | ttttaaaaaat | 56280 |
| ctttaataag | gcagcctcaa | aattacagat | tcagcacgca | tttaccataa | ccactgaaga | 56340 |
| aatgcaaagt | tataaaaaaga | agataaacia | caatctgtct | cctgctttct | tcctctcctt | 56400 |
| cccctgcttc | tggaggcaac | aagggtcaact | atttggtgtg | attccttttta | gcattccctc | 56460 |
| catcaatggg | cacataagga | tgctcacaga | taagcaccta | tgcggggggt | ttttttttcc | 56520 |
| ttgtaaaact | attcacatac | taaatacttt | cctcagtatc | ttgccttttt | tcacttcctg | 56580 |
| tcacagaaac | atctcttcag | gtttatagat | acaggtccag | ctctcttttt | catagccata | 56640 |
| taacattctg | tagaataag | aggacacatt | ttactcagtg | tccgattgat | ggatatcaat | 56700 |
| attgttttca | tttctacaaa | tagtcaagga | ataacataac | tctgtaaaaag | ttttattact | 56760 |
| tataggcgca | tttatgccta | aaggatagtc | tcaaaagagt | gaaactgatc | aaatgtgcat | 56820 |
| ttttttattt | taataggtat | ggacagattt | gttctcaaaa | tgtttgtggc | agttcaaaac | 56880 |

| | | | | | | |
|-------------|-------------|-------------|-------------|-------------|------------|-------|
| accagtaaaa | caggggagat | atgtatTTTTg | gaaaagcacc | caaggcgatt | ctgaagtgtg | 56940 |
| gcccaggata | agaaccattg | cccagagctg | ttccagatgg | cccctgggtt | ctgaagtgg | 57000 |
| gtatcgggag | agaaatcttc | actgaatgaa | tgagtgggct | ccccagggaa | gtgatgaaat | 57060 |
| ggtccttatac | agccttgcta | tctccctctg | acagaggcaa | actctctctc | cctgggggaa | 57120 |
| gttcctccaa | ggcctctata | taagaagtct | ttgtgagagg | aagcaaagaa | ggacctgggc | 57180 |
| tttggaaga | tctaaagacc | caggaaggtc | tctgggtggg | tgagtgtctt | ctctgtctgt | 57240 |
| gtggagctgg | tgacagttta | ttctcccagg | aggctccctg | ctgtggctga | cagtttctgg | 57300 |
| agggctggca | ggcgtctacc | tgtggctttc | aggttatgag | gatgtcagca | ggggcagcct | 57360 |
| tcatcctctg | ccttgcacat | tccttctgcy | ggatgtgaaa | gtgctccttg | gctggggaaa | 57420 |
| ggagatgggtg | gagacatgga | ggaggggtg | ggtggcttct | tgaactctga | ggaggggaca | 57480 |
| taccttctaa | gtcctatgtg | ttcctaggaa | agccaataat | cattgtctct | ccgcctttt | 57540 |
| ttatgtcata | gactctgagg | gacccattaa | gtacaaacaa | ataagcgtaa | tagtcccttc | 57600 |
| tttacttccg | ggcctgaagg | aaagccagcc | tcagccaccc | ctcagggttt | gctgcgttct | 57660 |
| gtttagaaa | aggctccttg | gtcctggatc | ctggagcatc | aggagctggg | cctggcatga | 57720 |
| gcttttctgg | cccatactga | tttctattca | ggccttcttt | ttctccacct | cactcccacg | 57780 |
| gtccccta | ggtgtgattg | tgatgtgtgt | gcatgtgtgt | ctgtgtgtgt | caatgacaaa | 57840 |
| ctgtgttctc | cgttgcagga | taaagccaag | atgaaactcc | ccttacttct | ggctcttcta | 57900 |
| tttggggcag | tttctgctct | tcatctaa | aagtgttttt | tgccttcagt | ctttctttct | 57960 |
| ctgttttttc | cctttctatg | gtagatgggg | tcagagttac | acaccacccc | ccttctttga | 58020 |
| tcgtcttcta | tttctgaatt | tctgtgtgct | taaagggatg | gggactctat | ggcaggagt | 58080 |
| tgaagagatt | tctcaaggcg | tctgttatgt | ctgtggctct | ggttctactg | tgacattccc | 58140 |
| aattttgtcc | ttcttccatt | atgcttactt | tgagcttact | gagtgccttc | tctcctttaa | 58200 |
| ctctcttagc | atcgccatga | agtaggtggt | attgtatacc | catttcacag | aaatacagct | 58260 |
| ggtggatgat | ggaaccagta | cccaagccca | tgactgccc | actctaagtc | catgctctta | 58320 |
| accaccttga | ccttgtcagg | cagcttgggt | tccctcata | gagactgggt | tccagggtcc | 58380 |
| ccttcccagg | cagagttgag | cactctgatg | cccagggcaa | ggtgtgagct | gtctgtgggt | 58440 |
| ctggggagga | acaaggggag | atgtgaagga | aggacactta | gctatcctcc | ctgccagggt | 58500 |
| ctgagacttc | cacctttgag | acccctttgg | gtgctaagac | gctgcctgag | gatgaggaga | 58560 |
| caccagagca | ggagatggag | gagacccctt | gcagggagct | ggaggaagag | gaggagtggg | 58620 |
| gctctggaag | tgaagatgcc | tccaagaaa | atggggctgt | tgagtctatc | tgagtgccag | 58680 |
| atatggtgga | caaaaacctt | acgtgtcctg | aggaagagga | cacagtataa | gtggtgggca | 58740 |
| tccctgggtg | ccagacctgc | cgctacctcc | tggtgagaag | tcttcagacg | tttagtcaag | 58800 |
| cctgggtgag | tggcctatgg | ctgaggctga | ggtgggagca | tggaacgggt | gtgggatatg | 58860 |
| cccccagcat | tgctatcact | ggctcttttt | cccattgagg | gccctggggg | tgctagtaga | 58920 |
| acctgagcct | cagagagggtg | ttggggtaag | aggggagggc | cacctacaaa | cagaagttgc | 58980 |
| attttgggtct | ccaaccttca | aatggttgtg | gcaggggagg | gagggaatga | attgtgggga | 59040 |
| ctcaagaccc | atgtgaattc | atgtaggaag | gatgtcccat | tctttgtctt | ttatcctgcc | 59100 |
| ctgtagttaa | ccttgccggag | gtgctacagg | ggcaacctgg | tttccatcca | caacttcaat | 59160 |
| attaattatc | gaatccagtg | ttctgtcagc | gcgtccaacc | aggggtcaagt | ctggattgga | 59220 |
| ggcagatca | caggctcggt | aagagaagtg | tgaacactaa | atgggggtgca | cctgctgac | 59280 |
| tcagccagca | ctcagcttgc | atcagatttg | tctgtttttc | tctgtataaa | tctccagaag | 59340 |
| aaccagggat | agatggacac | ccacagacaa | cactgagggg | gctgcctggg | cattcaggga | 59400 |
| agagctaagg | atttagaatc | aggaggtttg | ggtccaagtt | cctttccatc | tctcactatc | 59460 |
| tatgtaactt | aagttagctg | ggcatgggtg | tgcatgtctg | taatcctagc | tacttgggag | 59520 |
| gctgaggcag | gagagtcact | ggaacctggg | agacagaggt | tgcggtgagc | cgagatggag | 59580 |
| ccattgcact | ccagcctggg | caacaagagc | gaaactccgc | ctcaaaaata | aataaataaa | 59640 |
| taaaataaaa | aaaaaaaaaa | ttaaaaacaag | accatgagtt | tgtttctctca | tctctaggat | 59700 |
| gagttggcaa | cccttgttct | accttttgtt | agggctggaa | ggacaagcct | gtcactggga | 59760 |
| tgcatagaat | ctgatggtga | taattgcccgt | ggatcagcat | ttcagatgac | taggacagtt | 59820 |
| cccatcatgg | tccagcagg | aagggcccat | tgcccgggtg | gcagcagaaa | gagctggcag | 59880 |
| atacggggcc | aggctgtgctt | ctctgccttc | cctctgcccc | atcccttctt | ccctcttgc | 59940 |
| tttctccagg | gtcgtgcag | acgctttcag | tgggttgacg | gcagccgctg | gaactttgca | 60000 |
| tactgggctg | ctcaccagcc | ctggtccccg | ggtggtcact | gcgtggccct | gtgtaccoga | 60060 |
| ggtgaggtgg | ggctggggat | gaacgatgga | aagggtctgg | agatgggaag | tgccccaaag | 60120 |
| aggagatgct | acaaagagcc | tgaccctttg | tgggagaggc | ttcctgggtc | ttttatatac | 60180 |
| tctgactcca | cagcagtggt | tgggtgggaa | aagaggccct | cctgtgggtt | gagttgggat | 60240 |
| ggacaagagg | ctgaaagtcc | ctttctgttc | tgccttcaca | ggaggccact | ggcgtcgagc | 60300 |
| ccactgcctc | agaagacttc | ctttcatctg | ttcctaactga | gctgggtcca | gccagcagtt | 60360 |
| cagagctgcc | ctctcctggg | cagctgcctc | ccctcctctg | cctggccatcc | ctccctccac | 60420 |
| ctccctgcaa | taaaatgggt | tttactgaaa | tggattttatt | ttctcctctg | atcgcggtac | 60480 |
| cactctgctt | agccctcatt | gaaacttctt | ccttatcatc | tctccccaca | ccacaacttt | 60540 |
| catagaagtg | tcagaagcta | ctactccttg | aggaggagga | tggaggggtg | agttgggtct | 60600 |

| | | | | | | |
|-------------|------------|-------------|-------------|-------------|-------------|-------|
| atggagcctt | ttggagatgg | aggaatgggc | tcagctagtt | ctcttcatag | aacacctgat | 60660 |
| tactgggcac | ctgcatagtg | ctgccaggac | ctttcaaggt | tgtaggtaga | ctcccaatgg | 60720 |
| cccagtttgc | atctctgtaa | ccaaaggcct | ttctctcttc | tctctccaac | cccagaactg | 60780 |
| tggttggttt | tatatgtaag | gaagttaaca | tgtccctggg | aacagtccac | aacattcagg | 60840 |
| aatgaatgta | taagtaccgc | aatccccggc | ccctcaagtg | gaataaatct | aacatgtatt | 60900 |
| gggacaccatt | tcccagtggt | ctgctgtggt | agttggcctt | attccatgca | tttttatggg | 60960 |
| ctgccttccc | ttcctcaact | gcattctctg | ctccttccta | ctctctgcaa | ctcccaaata | 61020 |
| aacacittgta | cgcaactccc | tctctcagga | tctccttctg | gggaaacctg | atataagaca | 61080 |
| gcttgccatg | cgtcagactc | tgaatgaggg | ctgggaatac | aagacatagt | cctctggcac | 61140 |
| ttgggatata | tggttatttg | taacataggg | acaaaaacat | ctactagtgt | ttatcgctta | 61200 |
| ttgagcacc | acaacatacc | ccctgctgtg | gcaggcacct | tgccatagtg | acctcatgtg | 61260 |
| atcaataatt | atgagcccta | ttttacagaa | ccaggctcag | agaagttagg | atctgtcaaa | 61320 |
| agacttgccc | aagactgaac | ctctaaatgc | aactcatatt | gaaattcaac | tctgctccaa | 61380 |
| agcatgttac | tttaaccctt | gtgctttttac | agctggctac | tctcccccta | tggtcacacg | 61440 |
| gggatgaagc | acggggggag | gaaagccaga | ctgtctcact | cttgggttca | tcttgggaca | 61500 |
| caggacacca | gcccagctgg | aggtgagggg | gctttaatca | gaggggaggg | aggaaggcat | 61560 |
| tctcaacccc | ttctgtacta | gggaggtcag | cagaagaaaa | taattcaatg | ttctaaagcc | 61620 |
| atTTTTTtct | ccagcattcc | tccaattcat | agatcttcat | atgggattag | gggctcagag | 61680 |
| aggggtgaaa | caagaactct | atTTTTTtgg | agtgtggtat | agagaaggga | tgctacttct | 61740 |
| ctaaggtcac | atagtaagtt | gagaaagaga | gagaaatcaa | actcaggttc | atttcaacta | 61800 |
| ttgttccaca | agaatctggt | gatttcaaa | atggtggact | atgggttcat | ccctgtggtg | 61860 |
| agtgtctgtg | ggatgcagct | gaggtggaac | tttctactct | tgccctcttg | gactttatat | 61920 |
| tctggtgtgg | aaaggcattg | cttcccttat | ttcaatatta | acaacaaagg | gtaataatat | 61980 |
| ttcccattta | ttaagcattt | actaggtgtc | aggtactgtg | ctaaatgtta | ggtgaacttt | 62040 |
| gtcttgttcc | tcataaatct | ctgccgctgt | gggtgtgtac | tttgacagaa | gtttgacttc | 62100 |
| cagtcacacg | agatcttctt | tgggggagta | atatcaagaa | ggggcacgaa | ggaagctgca | 62160 |
| gggctcctag | tcccatcctg | tatctcgacc | taggcatgtt | tacattgggtg | cattcactgt | 62220 |
| gaagtttccc | tgagcagtc | actctatagt | gtgctttata | ggagcacatt | gtacatccat | 62280 |
| tgaaaaatth | ttcttggccg | ggcacggtgg | ctcatgtctg | taatcccagc | actttgggag | 62340 |
| gccgagacag | gcggatcacc | tgaggtcggg | agtttgagac | ctgcctgacc | aacctggaga | 62400 |
| aaccccgctc | ctactaaaaa | tacaaaaaaa | ttagccgggt | gtgggtggc | atgcctgtaa | 62460 |
| tccagctac | tcaggaggtt | gaggctggag | aatcgcttga | acctgggagg | cgaagggtgc | 62520 |
| agtgaagcga | gatcggtcca | ttgcactcca | gcctgggcaa | caagagcgaa | actccgtctc | 62580 |
| aaaagaaaga | aagagatttt | ttctttttct | taaaaagtaa | aaatcatgaa | ataaggggac | 62640 |
| tgggctaata | ttccaaaata | tgggtttgtg | tgtgaatttt | cctctccagt | aagatactaa | 62700 |
| ctaagctctg | tgaactgtt | tatctatggt | tctttatcat | tgaatccttg | gagttcctta | 62760 |
| cactgtgcag | agcacagagt | aggggctcaa | tcaacagtgc | actcattgct | ttttcataga | 62820 |
| caagggccac | cctcaactca | ctcatgtgcc | aggcatagtt | ctgagagctt | tgcttaagct | 62880 |
| gatnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | 62940 |
| nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | nnnggtcact | aatttgggtat | 63000 |
| agagttatgt | tcattgattt | catttttatt | tgtttctgat | ttttaaagat | tgttttactt | 63060 |
| gttttcttcc | tattattatt | ttattttatt | tgtaaaacat | ttacatatca | gacatttaca | 63120 |
| ttttcccaa | ggtaaaactg | tgaacaaga | tatattcaaa | gaagtttact | ttccctctct | 63180 |
| gtttcttgta | cccttttctc | tcttctttag | gtaaccattt | ttattttttt | aaatataaac | 63240 |
| attgtgtagg | tgtatataca | tgtattagtc | tgttttcatg | ctgctgataa | agacctatct | 63300 |
| gagactggga | agaaaaagag | gtttaatttg | acttacagtt | ccacatggct | ggcaaggcct | 63360 |
| cagaatcatg | gcaggaggtg | aaaggcactt | cttacacggg | ggtggcaaga | gaaaaatgag | 63420 |
| gaagaatcaa | aagtggaaac | ccctgataaa | cccatcagat | ctcgtgagat | ttattcacta | 63480 |
| tcacaagaat | agcgtgggaa | agactggccc | ccatgattca | gttaccctcc | cccactgggt | 63540 |
| cccaccacac | atacgtggga | attctgggag | atataattca | acgtgagatt | tgggtgggga | 63600 |
| cacagccaaa | ccatatcaat | acatttccct | ctctttttaga | taaaaggtag | tatactgtat | 63660 |
| acactattct | gcagagtttt | tttttttttt | gatgtaactc | tatcctgagg | gtgctctgta | 63720 |
| gcaggggacct | ctcatgcctt | ttaaccactg | cctgggtctc | cattacatgg | ctgcagcata | 63780 |
| gttgccacag | cattcctgta | ctgatgacta | tttgattgtt | ttccagtctt | ttgctattac | 63840 |
| cagtagtggt | acaaagagga | tctggctaca | tgttcagggt | ggggaggggg | agatgtgtag | 63900 |
| cctgtcagga | gggtattgca | gtaatccatg | actgagttaa | tggtagttaa | aagctaggat | 63960 |
| gagtcagtg | gggtggagag | aagtgggcac | atttgaatga | tatgtaggag | gtgaatgatc | 64020 |
| agcattattg | atgagtttga | ggtggggcat | gtggggaaag | gattcgagga | tgactcccag | 64080 |
| gtttctgttg | ggacagtggg | tggatagtg | ctctccctct | ttttccaatc | ttccttggcc | 64140 |
| cttcgctgag | ttctgttggt | ttggcctaca | gagagcttct | ttttcctctc | tggtcgccca | 64200 |
| ggttccctca | ctttggcggt | ggccctctgc | tcgacgggtg | cttcgctggc | cctgacatcc | 64260 |
| ctgctgtgcc | tgggcttcgc | cctctgtgcc | tcagtcceca | tctcctctct | ccagtaacctc | 64320 |

| | | | | | | |
|-------------|-------------|-------------|-------------|-------------|------------|-------|
| accttcatcc | tgcaagtgat | cagccgctcc | tccctctatg | ggagcaacgc | ggccttcctc | 64380 |
| acccttgcg | aagtggcctt | ggggcgggct | ctgtggagac | ggacacactg | gggcaaagag | 64440 |
| aagctggagg | taaagaaatt | gggaggcaag | gcggggcctg | gaggcagtc | gggtcgggag | 64500 |
| actgggtttg | ggggcagggt | tggagggggt | gagaccagag | gtgggtggaa | ggatagaaca | 64560 |
| ttcatgcact | tgagccttta | catctgcggt | gccctctccc | tctgttttct | acctggtgaa | 64620 |
| ctcgtattca | tcctctgagg | cccacttctg | tttcagttct | ccagggaaga | aatggaaaag | 64680 |
| tgtcttcctt | tctttgtgcc | cttagtactc | tagtcttact | tcctttgcta | gtgcgtgcat | 64740 |
| tgtctggcat | gccatccalt | tacatgcctg | tcttttcttt | cctgggtgcag | cctgcatgag | 64800 |
| ggtcctgtct | gtttttccag | ggccccgcat | gtgccttctt | ctgggttctg | tgggtcaa | 64860 |
| gtctgagcag | agctgaagag | ggaaaggcca | gacagggtgt | gttggagggc | aggcctagga | 64920 |
| caggggagct | ggggacaagc | ggccgcagac | ccccagaggc | caggcttctg | cttggaggga | 64980 |
| gggtccctga | agctcactgg | aacccctctg | gtttctctcc | ccagtttccc | ttcagagcac | 65040 |
| tttggcaagc | tctttgggct | ggtgatggcc | ttgtcggctg | tgggtgtctct | gctccagtct | 65100 |
| cccatcttca | ccctcatcaa | aggctccctt | cagaatgacc | cattttacgt | gagtactggg | 65160 |
| aggatgggga | tccctggcag | gaggcctggg | ccttaggcct | tggctgcccc | aaatctggct | 65220 |
| gtgatggcct | gggtatgtag | catggtgcag | cttcccaaag | ggtctgtgtt | attcaagtat | 65280 |
| ttggggcaaa | agtattttgt | tgtgtgggga | aacagacatt | ctggagtagg | gtggggaatt | 65340 |
| ctcacgaaac | ttcaagcaaa | atcctgagac | ctcaaagggt | tttcctgctt | gtgggtgagt | 65400 |
| caggccccacc | ctggcctctc | ccctaggccc | acacagggtt | tccacagtgt | gccccaggga | 65460 |
| caggacctct | gtgctttcac | ctctgtgtcc | ttacacctgg | agggatgctc | tgaggtcctg | 65520 |
| ctctaggagg | tggctcgtgag | tctcctgctc | tttgagaaa | ctgaggctca | aagaggttac | 65580 |
| ttacgtgttc | agaggcacca | gctaaggagc | aaaagtcaac | tttgaattct | gtgttttgac | 65640 |
| tactgcacag | ctctattttg | ctcatttttt | atttttaaag | cagcaaatct | tagaatagga | 65700 |
| gtttaaatcc | atcacttgga | gaaaagaaag | actaaatgtt | ttttgttttt | gttttgagga | 65760 |
| cacgatcttg | ctttgtcacc | caggctggag | tgcagtggca | caatctcggc | tcactgcagc | 65820 |
| ctcgatctcc | tggactcaag | cgatcctctc | atctcagcct | cctgagtagc | tgacactaca | 65880 |
| ggcatgtgcc | accatgccaa | gcttattttt | ttttattttt | ttgatagaca | ctggggtttc | 65940 |
| gctatgttgc | ctgggctggt | tttgaattcc | tggcctcaag | cgatccaccc | gtctctgcct | 66000 |
| tccaaaatgc | tgtgattaca | ggcgtgaacc | actgtgcatg | gccaaaagag | taaacttgaa | 66060 |
| atctgaggcg | aatgacttga | ttgtgacatc | aggtgacct | gtaatcagct | gtgtattcta | 66120 |
| gctggtgcct | ctaccagctt | cccatgtgac | cttgaacatg | tcattgaatg | ctcgctaggc | 66180 |
| ctctgtttct | ttatctgtga | aatgggcttg | atattcctcc | tctaccccaa | ccgatagtgc | 66240 |
| agaatgaaaa | gtaactgaaa | gtccttcctc | cagggcacca | tagtgtctgg | gtgaaaagta | 66300 |
| gaatataaac | tcggtagact | tctggctcct | tcattgggtc | tggaaatggac | cagtgcctgc | 66360 |
| ttcattgagc | aacagttctg | ttgttcagaa | ttcctggatt | tcacctcact | tctgctctcc | 66420 |
| ctgcagggtga | atgtgatgtt | catgcttgcc | attcttctga | cattcttcca | cccccttctg | 66480 |
| gtatatcggg | aatgccgtac | ttggaaaagaa | agtccctctg | caattgcata | gttcagaagc | 66540 |
| cctcactttt | cagccccgag | gatggttttg | ttcatcttcc | accacctttg | aggacctcgt | 66600 |
| gtcccaaaaag | actttgccta | tcccagcaaa | acacacacac | acacacacac | acacacaaaa | 66660 |
| taaagacaca | caaggacgtc | tgcgcagcaa | gaaaagaatc | tcagttgcc | tcagatttga | 66720 |
| tatcacacag | actcaaagca | aaggcatgtg | gaacttcttt | atttcaaaac | agaagtgtct | 66780 |
| ccttgcactt | agccttggca | gacccttgac | tccaggggag | atgacctggg | ggaggaagtg | 66840 |
| tgtcaactat | ttcttttaggc | ctgtttggct | ccgaagccta | tatgtgcctg | gatcctctgc | 66900 |
| cacgggttaa | attttcagggt | gaagagtgtg | gttgtcatgg | cctcagctat | gcttcctggc | 66960 |
| tctccctcaa | gagtgcagcc | ttggctagag | aactcacagc | tctgggaaaa | agaggagcag | 67020 |
| acagggttcc | ctgggcccag | tctcagccca | gccactgatg | ctggatgacc | ttggcctgac | 67080 |
| cctggtctgg | tctcagaatc | acttttccca | tctgtaaaat | tgagatgaat | tttgggtgtg | 67140 |
| aaagtctctc | ctggagcaga | tgtcctagaa | ggttttagga | atagtgcag | agtcaggcca | 67200 |
| ccccaaaggg | catgggagcc | agctgacctg | cttgaccgaa | ggatttctga | cagactatct | 67260 |
| ttggggatgt | tttcaagaag | ggatataagt | tatttacttt | gggcatttaa | aagaaaattt | 67320 |
| ctctcgggaa | taattttata | gaaaaataaa | gcttctgtgt | ctaaggcaac | tactgtttcc | 67380 |
| atctctctag | gctttgggccc | ggggctgtgt | gtgtgtgtgt | gtgtgtgttt | gtgtgtatgt | 67440 |
| gtatgtttct | gaggaggccc | taccctggca | tgagagggta | gggaatctgg | ctacacatct | 67500 |
| agtgtggcag | ctggaccacag | aggtggggca | ggaaccctga | ctatgattca | ccccgctggt | 67560 |
| cctgggatgt | gggcccagag | acttcctccc | ccaggaaacc | ctctgcttcc | tcttcctctc | 67620 |
| cacatcctta | actaacttta | gcagaaccct | actcctcact | acacaccccc | agctagaagc | 67680 |
| gctggatgga | atcagaaatt | cctagtttga | gtttcaattc | tgccccctcag | cagctgggca | 67740 |
| agccccttaa | ccactctgag | tcactagtct | cccactcgca | aagtgcagtt | aatcatttct | 67800 |
| atctctgatg | gcgattgtga | gaatgtaaag | tcatttgcaac | tgccctagcac | atggtaggag | 67860 |
| cacatgaggg | tttgctcctg | gttttactca | tgacccttgg | ggaggacggg | ggcaaagagg | 67920 |
| gagaagtgtga | gggtgcagga | ggagagatgg | caggtgggtg | ggatgggaga | atctggggca | 67980 |
| cacctgctgt | ctcattccca | ccttgctagg | agagggacta | ggaaagaaca | gtgggaggca | 68040 |

| | | | | | | |
|-------------|-------------|-------------|-------------|-------------|-------------|-------|
| gggggatggg | ggtggaaggc | aggggggtggc | aggcaggttc | atccatccat | tcattcaaca | 68100 |
| aatgtttatt | gagcacctgc | cacgtgtcag | gccctgtcct | gggtgctggg | gctataaaga | 68160 |
| tgcagaaggg | tctgaaaccc | agctcttcct | tcttcctgtg | gatgtcgggg | tgtaatttcc | 68220 |
| agggggccagg | agcctgggtc | tgagggcgga | caccaaagtt | ctagtgggtg | ctattagcag | 68280 |
| cgtttaaatc | taatggatgg | atthtggctt | gttaccctgc | tcaaaagctt | tcagcagctc | 68340 |
| cccactgtcc | acaggacaaa | aatccagatg | ctagcctggc | attcaaggct | gtcactagt | 68400 |
| tgatctcaac | ctctcccctt | cctctctttac | ctcctaccaa | cagcggggca | gagcccaccc | 68460 |
| ctgtggacca | agattcccag | tctctgggtc | tgtgtgtgca | ccagttcctc | tgcgtgggtg | 68520 |
| gctcacctcg | cctcagcttg | tgaaatccat | ctgggtctgt | gggatccctg | tcaaaatgtc | 68580 |
| atctttctcca | aaaatcatta | ctcaggcttt | ccagcatgtc | tgagtccctg | gcacttggtc | 68640 |
| acacccttcc | tggtgactgg | catttgcttc | cacatcatga | ccctcccacc | ccttgcttgg | 68700 |
| gcagcatact | ccaggaggca | aggtctgttc | tgcctgggt | ctaattaatc | tgtgcttacc | 68760 |
| atccacatgg | taccagctaa | ttcttgttga | atgaatgatc | gttgaatgag | tggattcttg | 68820 |
| ttttggcctc | agaaccaatt | agaaggagcc | agaaaaacac | atgggggtgg | gggagggtgca | 68880 |
| gtgtgggtgca | gtggaaaaaa | acccttctgg | aaatctcagc | tctgtcactt | actttgtcag | 68940 |
| ctctgtgact | ttggatggac | cacttctttg | tcagtatggg | gggagaaata | gacatgcctc | 69000 |
| tctgggctgt | tgtaaggatt | acaaattagg | tgcagtgtct | ggcatgtggg | gggttgaaca | 69060 |
| gatcacagct | agcattacag | atgatatat | aaagccaaaa | aaagatgcct | aatgtccacc | 69120 |
| agttggtgaa | cggacaaaagg | aaatgtacca | tatttgggat | attatttggc | aatcaaaaaa | 69180 |
| agtactgaca | cctgctacaa | cacggatgaa | tcttgaaaaa | attagactaa | gtgaaagaag | 69240 |
| ccagacacaa | gaaactgcta | atgattccat | ttaaataatga | aatatcgggc | cagggtgcag | 69300 |
| tggtctatgc | ctgtaatccc | agcacttttg | gatgccaaagg | tgggcagatc | acttgaggcc | 69360 |
| aggagttcgt | gaccagcctg | gccaacatgg | cgaaccccg | tctctactaa | aaattagccg | 69420 |
| agtgtagtgg | catgcacctg | taatcccagc | tacttgggtg | gctgaggcac | aagaattggg | 69480 |
| tgagcctggc | aggtggaggg | tgcagtgagc | caagatcgtg | ccactgcact | ccagcctgga | 69540 |
| tgacacagtg | aggttccgtc | tcaaaaaaaa | aaaaaaaaaa | ggaaaaagaa | aaaaagaaat | 69600 |
| ttccagaata | ggccaatctg | tagaggcaga | aagtagattc | atgattgggt | aggcctgggt | 69660 |
| gtggaggcca | tgggtagtga | tggctaattg | ggaaggggtt | tcttttgggg | tgatgaaaat | 69720 |
| gggtggactt | atggtatggt | aattatacct | caataaaact | gttattttaa | ggaagaaaag | 69780 |
| atgcctggat | tccccaggaa | gtgtacagta | gacttctgtg | agaatcagaa | atgatttctg | 69840 |
| gggaagatgg | gcgagaggag | agtaagtggg | agaagtgacc | acgtgcgcaa | ctctcatcgt | 69900 |
| tctgccctga | gagccttcct | cctgcaactt | tatttattta | tttattttga | aacaggttct | 69960 |
| cactctgtta | ccctggctgg | agtgcagtgg | tgtgatctca | gctcactgca | gcctcgacct | 70020 |
| gccaggctca | agcaatcctc | ctgtttgagc | tcctgagtag | ctgggactac | aggcgcagtc | 70080 |
| caccacatct | ggctaattct | ttattttatt | atthtatttt | ttatagagat | tggggagtct | 70140 |
| cactctgttg | ctcaggctgg | tgtcaaacgc | ctggactcaa | gtgatccctc | caccttggcc | 70200 |
| tcccaaagtg | ttgggattat | gggtgtgagc | cactgtacct | ggcacctcct | gcaacttctt | 70260 |
| cctcaagtgg | aaccaatgag | gaagcaagca | actcagagct | ttcacaagtt | ttgatttcaa | 70320 |
| tcagcaacgg | gcttccaatg | caacccttct | ctcctgtaac | cagcctcagt | agagaggaac | 70380 |
| tggaggtgaa | ctggccccc | tcacaccccc | acagtgccaa | gctggggcct | tccatcaggg | 70440 |
| ggagaacaca | tgccgtgtaa | gggacagcca | acagcataaa | ataggaattg | tgtgatgatc | 70500 |
| ccttttaagc | ctattcagcc | cagggaagtg | catatgatca | gccccatttc | atagatgaag | 70560 |
| aaagtccagg | tcacccatta | gcacattgtg | gggctgggtat | ttaaaccagg | tctgtctggc | 70620 |
| tcccaaggtc | acatttcatt | agacattacc | tttactttac | atthtcttct | cttttcttct | 70680 |
| tcttcttctt | cttcttcttc | ttcttcttct | tcttcttctt | cttcttcttc | ttcttcttct | 70740 |
| tcttcttctt | cttcttcttc | ttcttcttct | tccttcttct | cttcttcttc | cttcttcttc | 70800 |
| tcttcttctt | cttcttcttc | tcttcttctt | cttcttcttc | ttcttcttct | tcttcttctt | 70860 |
| cttcttcttc | ttcttctctt | tcttcttctt | tcttcttctt | cttttttttt | tgagggtggg | 70920 |
| tcttcttctt | ttgcccagg | tgaatgcagc | atcatcatac | ctaaatgcag | ccttgaactc | 70980 |
| cttgccttaa | gcaatcccc | tgcctcggcc | tccaaaagt | ccaagatttc | aggcatgagc | 71040 |
| caccatgccc | agcctgcatt | tattctcttg | taagaaagat | atcattttaa | acagacgaga | 71100 |
| aaataaagag | ggacatgaaa | aagacgcac | accatttaatt | ggaccactca | gagataatca | 71160 |
| tgggttaacat | gttgggtatg | tccctcccgt | catttgactg | gatgtatgtg | ataattttaa | 71220 |
| tgatctcata | agcttttctt | tatgtaatca | aatagtagcc | aaaaacatga | ttttaaatgg | 71280 |
| ctgctcacaa | ccccatctcg | tggttctgcc | acgccttggt | tatccccatc | caccccttac | 71340 |
| tccctttccc | cttccctgcc | tgtgtggggg | tcctagatga | cggtagacca | gagggcagcc | 71400 |
| ttgggtcagca | gattggagag | tgcaataaat | aaaaaacact | agaaggcgag | ctgttgtcaa | 71460 |
| gtgggcttat | cacaaaagag | caccttggga | tattccagag | aatgacctca | taccgcgtaa | 71520 |
| tcactatcca | taacttgggt | ctaactgtac | tttagctgaa | gggtgctggca | ggtcctgccc | 71580 |
| aggtgctgct | aagaacactt | ctattctgtg | agaatcagag | atgatttcta | gggaaaatgg | 71640 |
| gcgagaggga | gtaagcagga | gaaacaaccc | acaggcacag | ctctcatctt | tctgccttga | 71700 |
| gagccttctt | cctgccacgt | ggttttgttt | gtttgtttgt | ttgtttgttt | cagatagggt | 71760 |

| | | | | | | |
|-------------|-------------|-------------|-------------|-------------|-------------|-------|
| ctcactctgt | cacccaggct | ggagtgtagt | ggcaagatca | tggctcactg | aagcctcgac | 71820 |
| ctcccaggct | caagcagtc | tccccaaatt | caaagcttgg | agtgatggtc | ccagtggtta | 71880 |
| tgtctaggag | ccc'tttttcc | tgccagcccc | tcaggggatt | gatgactctc | aaatgcttca | 71940 |
| ggtgtgacat | gggcacagca | gtgagtcatt | cctctgacat | tctttgggaa | gaacattttc | 72000 |
| catccaggct | tccaggcata | agatccagtc | ctctggtgat | aaggagttca | cagacaggac | 72060 |
| aatgtctgag | tgtatcttaa | acccaggacc | atggccttg | ttcacaccag | accctccagg | 72120 |
| gattttgagg | tgttttggtt | gtttgtttgt | ttgtttgttt | gttttttgag | acagagtctc | 72180 |
| tctctgtcgc | caggctggag | tgcagtggca | cgatctcagc | tcactgcaac | cttcgcctcc | 72240 |
| cggttcaagc | gattctcctg | tctcagcctc | ctgagtagct | gggactacag | gtgtgcacca | 72300 |
| ccacacccgg | ctaatttttg | tatttttaat | agagactgtg | tttcaccatg | ttggacagga | 72360 |
| tggctttgat | ctcttgacct | cgtgatcctc | ccgcctcggc | ctcccaaat | actgggatta | 72420 |
| caggcatgag | ccaccgtggc | ccgccccaat | ttgagttttt | atgtttcta | cccaaacatc | 72480 |
| tgtctcagag | ccccctcagca | tattctttcc | tgggtccagt | gtcacctccc | aggcctgcag | 72540 |
| gctggctaga | gcagtagggg | gtgtgggaaa | gctctgggct | ttgcaggcac | tgatcagctg | 72600 |
| tgtgacctta | accaccctga | acctcagttt | cctcacctgt | aatggaaata | ggtaccacgg | 72660 |
| cagtttggtg | caaggactag | agagtaacct | tgggaataaa | aggtagcagc | agcttgggct | 72720 |
| ctggagatgg | actgtccaag | accaacttcc | agtccctccc | cacacaagct | ctggcactta | 72780 |
| gattcctggg | acctccgctg | cttcactctgt | aaaatggagt | aacaatagga | atactttata | 72840 |
| gagttgtaag | gattgagtg | ctggatgaac | gtcaagcact | tcaaagggga | cctggcatgt | 72900 |
| agtgagtgat | caatataaac | cacctggctt | gtagcagggt | tgctgtgtgt | ggctgcagg | 72960 |
| gttattagta | acatctgtgt | gcccttcaga | gcgtgcacca | cacttcacac | cttgtggagt | 73020 |
| ctggaatgcc | actattatag | ttcaggatag | aaaacctccc | tgcaagcact | cgcttttagct | 73080 |
| tgtctccacc | gaacaaaaca | acacaagttc | tttattactt | ggaatgggaa | aacttcaaag | 73140 |
| gcaaaaaaaaa | aaaaagactt | tcgagttacc | ccaaatctta | agccaaagtc | aatgaaaaat | 73200 |
| atcaatcttc | atattcaatt | tttgcgatac | ttttgtctcc | ccagcagtc | atggagagaa | 73260 |
| tccaagcaca | cagaaatgtc | aattaccagg | ggcagggcta | tgaattcctt | tcagagccct | 73320 |
| gggctgggga | agagtgcagg | cagacagatc | tgggtcctgt | tatcacgttc | ttagattggg | 73380 |
| tgtccttgta | ggagtcatga | agcatcttag | tgcctttgtt | tgctacctat | aatgcctacc | 73440 |
| tcagagagta | ataaggataa | gtaaggctct | acgtgaaaag | tgctcggccc | tggcacatag | 73500 |
| taggtccttc | attaatggca | gctactaatt | tttattacat | acgcaaaatc | acattacagg | 73560 |
| tcaagtacgc | tacatgacag | tgaaacagtt | ttttgttttg | tttgttttga | gacagagtct | 73620 |
| cgctctgtca | cccaggctgg | agtgcagtg | cacgatcttg | gctcacgcga | acttctgcct | 73680 |
| tcaagcaatt | ctcctgtctc | agcctcccga | gtagctggga | ttacaggcat | gtgccaccac | 73740 |
| gccagcta | tttttttggg | atttttagta | gagacgggg | ttcaccatat | tggccagact | 73800 |
| ggtctcaa | tcctgacctt | gtgatctgcc | caactcagac | tcccaaagt | ctgggattac | 73860 |
| tggcatgagc | caccgcacct | ggctgtgaaa | cagttttatt | gtgtttctgt | ggaatgtgtc | 73920 |
| ctaccaacc | tatagcta | tcctatagtt | ccctcagttc | tcagctcaga | tatcccttcc | 73980 |
| tttctgtact | gttacctagt | actggttttc | atagcaccag | gtacctctct | ggcatagagc | 74040 |
| ttgtcacagt | tgcagtttaa | tgtaccatca | taggatttta | aaaatattca | gttgtgtctt | 74100 |
| ccattagct | ttcatttggg | aactccacgc | aggcagcagc | tgtatatttt | gtattgccta | 74160 |
| ctgtatcctg | agaactttgt | accctactta | gcacagaatg | gaggctcagt | aaatactgga | 74220 |
| catgagagag | agagagagag | agagaggaga | gggagagaga | gagagagaga | ttcaacctac | 74280 |
| aatcccagct | ctgagcttct | agttccctga | tggtagggac | tgtgatgtgt | ctcacacggg | 74340 |
| aatgagcact | tatgcagaag | aggctcagaa | aatttctcct | catggccaac | ggaagactta | 74400 |
| gagttctttt | ccaagctcca | ccgtttgctg | gcattgcaaaa | tttggactat | cacttaagtt | 74460 |
| ttccaagcct | tgtctttttc | atccctaaca | taggacaata | ttcagcattg | ttgtttgttt | 74520 |
| gttgggggca | ccatgtttca | ggcacttagt | agattattgt | accaccacat | ttcaattggg | 74580 |
| cctcctcaag | ccctgcaaca | tctgtgaggt | ggtcatcctt | aacaactcac | agatgagcaa | 74640 |
| caggagactg | gggggatgag | ggaactgcca | aggaggtcca | gcttatgggc | agcagagcca | 74700 |
| agaatggaac | cagggctctt | tattttttta | tttttttatt | tttatttttt | aaccagggtc | 74760 |
| ttttaacatc | cgaggaccac | attctttgtg | ctttccaaat | catcacctgc | cccatgcaac | 74820 |
| ttacagggta | agttacatta | aacaacgtat | gtaaatggct | ttgtgctagt | tattcaccac | 74880 |
| cacaggggaa | gtgagtcacg | gacaagagt | cagccgctcc | attcgatcc | tggctctgac | 74940 |
| acttacctgg | aaaatgactt | aaccattccc | aggatcagct | gtttgtctgt | aatttaggta | 75000 |
| gtttaatggc | acttgtgtcc | tagagtgtgt | tagaagggtg | aataatatgg | agcacttaac | 75060 |
| atacttagca | cctagaaaca | cttccta | attagttgct | gctgttggtta | tcgttattaa | 75120 |
| aatttctgcc | taagatctca | tttcaggggag | cccaactcaa | tctttgacaa | gcttaa | 75180 |
| aaattgcttt | tcttcattta | ttcacttaca | cagcaaacat | gaattgagcc | tgtactgtgt | 75240 |
| ttccagaact | gttcaggacc | agagaggcac | agggtgaagga | agcaaggctc | tggctctact | 75300 |
| ggggaaacag | caagaagatt | gctacaatga | gggtgggaaga | gggctggact | agagagaagc | 75360 |
| cctgattagt | gtccttgcta | cctttctctg | ggagagccaa | ggcaggcttc | ctggaagagg | 75420 |
| tgatccttgg | ctgaaacttc | gatgaagaaa | aggaaagagc | gcagtgggta | gggaggaaag | 75480 |

| | | | | | | |
|-------------|------------|-------------|-------------|------------|-------------|-------|
| ggcattctgg | gcagatgaaa | tgacatgtga | caaaatatgg | gtgatcannn | nnnnnnnnnn | 75540 |
| nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | 75600 |
| nnnnnnnnnn | nnnnnnnnnn | nnnnnnngca | ctccagcctg | ggtcactgag | tgagagaccc | 75660 |
| tgtctcaaaa | aaatttaaaa | aaaaaagtcc | agaagaacat | ttgggtctca | ctctgtggcc | 75720 |
| caggctggag | tatagtggca | caatcatagc | tcactgcaca | ttcaaactcc | tggcctcaag | 75780 |
| tgatcctcct | gccttagcct | tgaaataagc | ttggattaca | gatgagccac | cacacccagc | 75840 |
| cagaccatta | ttcataatag | ccaaaatgtg | aaaacaaccc | aaatctccat | caactgacaa | 75900 |
| atggataaat | agaatgggtg | ttgatccata | caatggagta | tttactcagc | aataaaaaga | 75960 |
| agtcctgata | catgctacaa | ggatgaacct | cgaaaacatt | atgctaagt | aaagcagcca | 76020 |
| atcacaaaag | gctacatatt | acaagattcc | atttaaata | aatgttcaga | ataggtaa | 76080 |
| ctaactttta | tcacaggcaa | agctatgaca | ggaaatagat | gagtgggtgc | ctagtgttgc | 76140 |
| ggggcagagg | tgggggtgag | gcgagtgtg | actgctaatt | gtacagagtt | acttttgggg | 76200 |
| ataaagaaac | tgttctgaaa | tggactctgg | tgatgggtgc | actactctga | acataactaa | 76260 |
| actgttaaat | tatatacttg | aaatgggtga | cttgtgaggg | atggaaatta | tatcttaata | 76320 |
| aagctgtttt | acataatttt | catattttaa | aatgcagggt | gagggatgag | ccctctaaag | 76380 |
| agaagcagga | gtttgaggag | gttctaaata | ttgtgtgggt | ggtactgagg | catataaatt | 76440 |
| tgtcagacct | catcaaatg | tatgatgtaa | tcttcaagaa | agttgatttt | aaagaaacac | 76500 |
| caccagcacc | aggtggagaa | ggcaggaaga | agttacacaa | ggggtaggcc | aagagtgggt | 76560 |
| gctcatgtct | ataatcccag | cactgcggga | ggccgagctg | ggtgggtgac | ttgaggtcag | 76620 |
| gtgttcgaga | ccagcctggc | caacatgggt | aaagcccgtc | tctactaaaa | atacaaaaat | 76680 |
| tagccagacg | tgctcgcgtg | aacccagggg | gagaagggtg | cagtgaagca | agatcatgcc | 76740 |
| aatgcactcc | agctcgggtg | acagagtgtg | actctgtctc | aaaaaaaaaa | aaaaaagtta | 76800 |
| cataggggac | agtggcagg | gtcaagggca | ggcagggtct | ctcctatctc | caggataaac | 76860 |
| tcatagggga | cttagatgcc | atgtgggtcc | ctaataagccc | tccacttggt | tcttgagacc | 76920 |
| actcttatgt | gtatcatttc | atgtcaggcc | tcttcttccc | aacccaccca | gccatcccag | 76980 |
| cctggctgcc | aacccacact | cctccagccc | ctgtcacccc | ataattgggg | ccaggaggca | 77040 |
| tgggagagtc | gccatctctc | ggtgccatct | gttgcattct | tacagataac | catggctgga | 77100 |
| tgcggcagat | cctgggggtg | agcagccgct | gttcagagca | gtgatcaaga | cctccccatc | 77160 |
| tccacccctc | aaggaatcgg | ttttcttcca | tagccacatc | aggtgctgtg | caggaaggag | 77220 |
| ttgaaacgag | aagccaggag | caacgagaag | gacactaaca | tttattaagc | actgcagact | 77280 |
| ctcacagcac | tcccacggaa | tcgatattat | tatccccatt | ctgaagacca | ggcaactgaa | 77340 |
| gctcaatggt | taagggaact | accgaagtca | ccaactgata | aaagtgtatg | aagctgggat | 77400 |
| tcaaatccaa | gctaaacttc | cttccaagct | tactccacaa | cacagagggt | ggggaaaggg | 77460 |
| gataaaaaga | gaggggagcc | caattccatt | tccacccagc | tcctgaggcg | gagcttgtca | 77520 |
| gcacagctct | ctccttccca | gaataggaag | atacccatca | gaggcaagtc | ctagacacca | 77580 |
| gcagtgttaa | ctccctgccc | caaggcagct | gcagacagcc | tatggctgta | gttactgtct | 77640 |
| ccaaagagtg | ttagaattcc | cactcccagc | ttcggggcca | ctcacacaag | gtgattgaag | 77700 |
| tggaaaccag | agactctcca | caatgccctc | ctagagtaaa | tgaggctatg | taactttgtc | 77760 |
| caaagttagta | atttgaaaac | ctggggggtc | ccagctcctg | aaaagggaag | gatgtggggc | 77820 |
| ccttttatatt | catactccac | tttgtgcagc | tgtcccttgt | cttatgatag | ccctattaag | 77880 |
| aaattcctct | cccagcacgt | ctccttcaaa | gagctctaga | cctgaggctg | tcagaggcct | 77940 |
| aggactctgc | ctattagtcc | cagggtcttg | atgaccagca | ggacacctgg | cattcagtga | 78000 |
| ccactggatt | agataaatga | aacagtgggc | agagtgccac | ccaatctccc | cctgaagttt | 78060 |
| gaagaggtcg | agaagtgtg | ctgtccaact | gctgaccctg | ctttctgtcc | acctggccac | 78120 |
| ctaacttttt | ctggcttcca | cctgcccctt | tgccatccct | ccccccagcc | cacccagccc | 78180 |
| attttcaggc | atacctgggc | acgtgctgga | atagaagccc | tcgttcttca | gaatgatcaa | 78240 |
| cagggagccc | cagcccagga | gtacagcaga | gaagaagagg | ttctccagca | cagccgtgca | 78300 |
| ggccatccac | cagcgctcc | ggtacgcctg | ttgcagcgtg | ggggccatgc | tggccccgag | 78360 |
| cctgcacaga | aacagagcgc | tgggtgaagg | gccccccagt | ggccccaggg | aagggctcctg | 78420 |
| catcatgggtg | gcacccgaga | cctctcgggc | cagcccgcga | ggagcccctc | atggaggccc | 78480 |
| catagagccc | tgggcttccc | agccggtgcc | aaggagctgg | ctccgcgcgc | actagcagtg | 78540 |
| ccagagggtgc | acgcggcacg | gggtccccgc | tgagccacta | tcggaaacaa | ggaaggctct | 78600 |
| gtctgcgcgc | tgacgttccc | tagcaggctg | ccgggttctc | tcacccaggg | cagggcgctc | 78660 |
| agggccgggc | tgctggggag | aaagtccgca | tctgcccagg | tccccagagg | acagcaaggg | 78720 |
| gcagagcgcg | ctctgaagca | ccgcggggccc | atgtccggac | tctcgcgcca | ggaaagaccc | 78780 |
| ctagaagctg | gcaggaagaa | gggcaagttc | aaggctaccc | tacgacccca | tcttccagtt | 78840 |
| gccccctcaa | gacctctcct | tccctctggg | gccgggcgac | agcaagccct | ccccctttcc | 78900 |
| gtatcaggtg | accacagacc | ctacagttct | tcggggccaag | ccaacagctg | ccactgtggag | 78960 |
| ggagaccag | gacgggtct | cctcggttcc | ctcctcccc | gcgcgcccc | cactcactcc | 79020 |
| gcagggctcg | gggcaccagg | ctttgcacct | cggaacccgc | ttgccccct | ccagccccgg | 79080 |
| gagggggctc | ggacttcggc | aggaagtctg | gcggctgctg | actttataag | ggcagcggtg | 79140 |
| gcggatgggc | tggcgggcgg | gtgtgtttac | caaaggagg | gaaagagccc | cagctcccc | 79200 |

| | | | | | | |
|------------|-------------|------------|-------------|------------|-------------|-------|
| cgccgcggcc | gctgcagcct | cgccgggagg | agagggaacg | cgccgcagcg | gggggcgggg | 79260 |
| agcgacaact | gggatgagac | cgaggaaagc | ggagaggaga | agggcaagaa | agaccagag | 79320 |
| agaggggagg | aagtaccagt | cacttcttcc | agggggactc | ggtattctca | tctgtgaaac | 79380 |
| ggggcctttg | gttcaagcgc | tccaggaggt | ccgctggaac | tctggcaaac | gcgagctct | 79440 |
| aagcagagga | agtgcagcga | gcggggaccc | gggaggaaga | gaagagtcgg | aggggtcaga | 79500 |
| gaaaagaaaa | gggaaggacg | cgcttggcga | gatgggacac | tgtgccgcgg | gaccgcgggc | 79560 |
| gcaagtaacg | gtcttttctt | gggaagcctg | gcagtgtcgg | cgggagccgg | cctcggtgtc | 79620 |
| tctcagccga | cgcatagcgc | gagaccctac | gcgcgcccc | tccccgcca | cgctgctcac | 79680 |
| ctccggtcac | cggcaaatga | gcagccagca | gctgcggacg | cctccgggag | cgcaacgctt | 79740 |
| tgcgggcgcg | tccggagtc | cgtgggcccc | gccctgagcc | gcgcgggcgc | tggggtcttc | 79800 |
| tctgcgtgca | ggacccggcc | gccacggagc | ttcagcctga | cagcccggtg | gcctcgctc | 79860 |
| cgctgtctcc | tcggaagaag | cgggggaact | gggaaccgcg | cgggcgccag | aggtctgcga | 79920 |
| agtggggctt | ggatgaagtg | gatctgcgga | gttgatagtt | gtatttacac | gcgtccggag | 79980 |
| ctgcgccccg | aggtgggggc | gggggctccc | ttcttttccc | ctcccttag | gtcgagtttc | 80040 |
| acgcgcacgt | gactcgcgcg | ctggtccccg | acactctccc | tctggcacag | ccccagcacc | 80100 |
| tacatttcca | ccctggaccc | ccatcttctc | ccccaaagcc | ccagactaac | atcaggcagc | 80160 |
| gccctctgta | tccttgttca | aaacaaagtg | cgattcggct | gaagccgact | gaccgcgatt | 80220 |
| cagggccgcc | ttgggtgggg | ttttgaactg | tgcagctgga | agcagtgttt | tccgagaggc | 80280 |
| agagtggcac | gggtttcttt | ggagttagtc | agatcgaggt | ctgagtcttg | actttttaac | 80340 |
| tgactaccct | gggttaccta | gggcaagtta | cctctctgag | cctcagcttc | ctcctcttta | 80400 |
| aattcggtta | aaatggaacc | tacctaactg | cccaaggaag | tcgcgattgt | gatcgaggta | 80460 |
| aaatgctaag | catagcattt | ggcatagtaa | gcataatggt | aattgttgct | gctgtcatta | 80520 |
| tttcagaaga | cctggtgatc | ggatgcttcc | agatcaacaa | ttgattgact | ccaggtaaata | 80580 |
| ctctcagcct | ccctgagcct | cagtatcttc | atctgtaaaa | tagactacta | tgggtgtggag | 80640 |
| taatgagaag | taatctcatt | acatgtgagt | ttaattgtgt | gttaagagtg | ctgctaattgc | 80700 |
| atgctgagct | taatacctag | gtgatgggtt | gataggtgca | ataaaccacc | atggcataca | 80760 |
| tttacctacg | taacaaacct | gcacattctg | cacatgtacc | ccagaactta | aaataaaaaat | 80820 |
| aaaatttttt | taaaaaaaga | gtgatactgg | tggccagggt | tgggtggttc | tgctgtaat | 80880 |
| cccagaactt | tgggaggcca | aggcaggagg | atcgcttgag | ctcaggagtt | cgagaccaac | 80940 |
| ctggacaaca | tgggtgaaacc | ccgtctctac | aaaaaagaaa | aaaaaatagc | caggcatggt | 81000 |
| ggtgtgcacc | tgcagtcctc | gtaccccgag | aggctgaagt | gggaggatca | ctgagctgga | 81060 |
| gagatggagg | ctgcagtgag | ccaagatcat | ggcactacac | tccagcctgg | gtgacagagt | 81120 |
| aagactctgt | ctcaaaaaaca | aaacaagaat | gactacagaa | agctccaaga | aggcctcaga | 81180 |
| taaaagggaa | ccctgaaca | gatgagccac | caagccaaga | gaggaactaa | tggctaccat | 81240 |
| agacagggca | ctttccaaaa | taaaaatact | gttattaatt | cctcaagaca | tcattggtccc | 81300 |
| atttaaacct | catagctttt | cacagagggg | gaaactgcag | gcttgaagct | ggagcaagggt | 81360 |
| tagaggtagg | atgcagagtc | aggtcggcct | ggcattttaag | tacggctcct | tccattcctc | 81420 |
| ccagaaggag | aatggcaaga | gcaaaggctt | agctgtggga | atggcacaag | gagttctcgg | 81480 |
| tggccaaagc | acatgtcagg | ctctgatggt | ttacttctt | aaaatgcaat | actgcctccc | 81540 |
| agaacttcca | gatcaaggtc | aaactcctca | gctctacaca | gggggaccta | gagtcacatt | 81600 |
| tctaagctag | gagagtcatg | gatccctttg | agaatacaaa | agacagtggg | cgcggtggca | 81660 |
| gtggctcatg | cctgtaatcc | caacattttg | ggaggctgag | gcaggaggat | cacttgagcc | 81720 |
| caggagtcca | agacctgctt | ggtcaacata | gtgagacccc | tatttctaca | aaaaattcag | 81780 |
| ctgagcatgg | tggcatgtgc | ctgtagtctc | agttactggg | gaggctgaag | taggatgatc | 81840 |
| cctgagcctg | ggaggtccag | gaagctggag | tgagccgaca | tctcgccact | gcactccagc | 81900 |
| ctgggtgaca | gagaccctgt | ctcaaaaaaa | aaaaaaaaaa | gaagaaatat | gttattgatc | 81960 |
| tactcttgac | aaaaatgctt | gtgtgaacat | ggacacacac | actcatcaac | attcacattt | 82020 |
| caaggttttc | atggaccctt | tccatgaggc | tctagtggtc | catggacccc | catggctgga | 82080 |
| acacttgctc | ttctctcatc | caaccacat | ttccatggag | ttggactgtc | tgctgcatga | 82140 |
| ggacacaggc | ctcatttggg | gtgttcattc | actgtgtgt | atcccagcac | ccagaacagc | 82200 |
| acctcaccta | aggggcactc | agcacatgtg | cagtgaagag | tcagtcagct | ggtttcacac | 82260 |
| ctcccagctc | ttgcacctgc | tattccttct | tgtgggaatg | acagatttcc | ttcatttctt | 82320 |
| tttttttttt | ttttgacaga | ttccagctct | gttgcccag | ttggagtaca | gtggcacgat | 82380 |
| ctcagctcac | tgcaacctct | gcctcccagg | ttcaagcaat | tctcatgcct | cagcctccca | 82440 |
| agtagctggg | attacagggt | cacaccacca | cctgtgagct | gatatttttt | tcttttcttt | 82500 |
| tcttttttcc | tgagacagag | tctcactctg | ttgccaggc | tggagtgcag | tggcgtgatc | 82560 |
| tcggtcact | gcaagctcca | cctcccgggt | tcaagtgatt | ctcctgcctc | agcctcccaa | 82620 |
| gtagctgaga | ctacaggcgc | gcaccacat | gcctggctaa | tttttgatt | tttttagtag | 82680 |
| ggcgggggtt | caccatttgg | gacaggctgg | tctcgaaact | ctgacctcgt | gatccgcca | 82740 |
| cgttggcctc | ccaagggtgt | gagattacag | gtgtgagcca | ctgcactcgg | ccattttttg | 82800 |
| tattttttta | gtagagatgg | ggtttcacca | tgttggccag | gctggtcttg | aactcttggc | 82860 |
| ctcacgtgat | ccaccacct | tggccacca | aagtgttggg | attacaggca | tgaaccactg | 82920 |

| | | | | | | |
|-------------|-------------|-------------|-------------|-------------|-------------|-------|
| cgctcagcct | ccttcttcat | ttctaagtga | ctcatccttc | acaactcagc | tcaagtttca | 82980 |
| cttctctctg | gaagctctac | tctaggctgg | attcagggcc | ttgtccacat | accacccaaa | 83040 |
| tactctgctt | acctctatgg | aagtcctcac | actgatctag | aataatcagc | ttagttttct | 83100 |
| gcccccatcc | cgccccatga | gatgtacatc | ttgtgggggc | aggaaccacc | acgtggtagg | 83160 |
| tgatttgtgt | gcctgctgcc | tatcacaggg | cctgggcgct | aataagcttg | cggccaacat | 83220 |
| ttgttgaaata | aatgaaaagg | gaatggtggg | aaaggaagct | gaaaaggtag | gctaaaatca | 83280 |
| gtttggaatt | acctctggga | ggccaaggac | tttcagtcct | gcagggtagg | taacaggaaa | 83340 |
| ctcctggatt | ttgttttctt | ttgggtttgt | ttgtttttta | tgaagggtag | cgttatcgct | 83400 |
| aggtttttgt | gtttaattaa | tggagcatat | attggaaaagg | acagagacct | taaagcagtt | 83460 |
| aggagaccac | cataatagtt | cacattttgc | agccataaaa | aggaatgagg | ccaggcatgg | 83520 |
| tggctcactc | ctgtaatctt | atcacttcgg | gaggttgagg | caggcggaac | acctgaggtc | 83580 |
| aggagtttga | gaccagcctc | accaacatgg | agaaacccca | tctctactaa | aaatacaaaa | 83640 |
| ttatccaggc | gtgggtggta | atgcctgtta | tcccagctac | tcaggaggct | gaggcaggag | 83700 |
| aatagcttga | atctggggagg | cagagggtgc | ggtgagccga | gatcgtgcca | ttgcattgca | 83760 |
| ggtacatgga | tgaagctgga | agccatcatc | ctcagcaaac | taacacagga | acagaaaacc | 83820 |
| aaacaccgca | tgttctcact | cataagtagg | agctgaacat | tgaaaacaca | tggacacaga | 83880 |
| ggggaacatc | acacactagg | gcccgttggg | gagtgggggt | tggggggtta | ggggagggaa | 83940 |
| cttagaggac | gggacaatat | gtgcagcaaa | ccaccatgac | acacgtatac | atatgtgaca | 84000 |
| aacctgcaca | ttctgcacat | ggatcctggt | ttgtttttaag | aagaaataaa | gaaaaaacca | 84060 |
| agaagaaaca | aacaaacaaa | aataattccc | atttaaaaaca | ataaaaaata | ggccaggcat | 84120 |
| ggtgactcag | gtctataatc | ccaacacttt | gggaggccaa | cgcgggcaga | tctcttgagc | 84180 |
| ccaggagttc | aaggccagcc | tgggcaacat | ggcaaaaccc | tgtctctaca | aaaaatataa | 84240 |
| aacaaacaaa | caaaatagcc | aggagtgggt | gtgcatgcct | gtcatcccag | ctactcaggt | 84300 |
| ggctgagggt | ggagaatcac | ttaagcctgg | gaggcggagg | tagcagtgag | ctgagatcgt | 84360 |
| gccactgcac | tccacctgga | gcaacagagc | aagattttgt | ctctaaataa | ataaataaaa | 84420 |
| taataaaaaa | cagagaagag | gaaagacacc | tgagatatat | ttccatatct | gaatcaatag | 84480 |
| gatttatcaa | cgttctcctc | tacccccaaa | actaattcct | tcctaaactc | tgttctcctg | 84540 |
| acactactca | taggttaagt | ataacagcat | tatcacattg | gctgtcatgt | gggctcctgg | 84600 |
| ctagaggctg | cttcacagct | taatggacaa | gagcactgag | acagggtggg | tctaaatcct | 84660 |
| ggctctgcag | ctgattattt | gtgtgatttt | gtccaaatca | ctccatctca | tgagcctcac | 84720 |
| tcttctagtc | tggttaagtgc | tgaaaataaa | agtatccaat | tcaattcatt | atttaatgaa | 84780 |
| ttatttagcc | taacaaatag | ctattataaa | tatttaggct | gggcacagtg | gctcacgcct | 84840 |
| gtaatcccag | cactttggga | ggccaagggt | ggcagatcac | ctgagtcagg | agtttgagac | 84900 |
| cagcctgacc | aacatggtga | aaccccgctc | ctactaaaaa | tacaaaaatt | agctgggtgt | 84960 |
| ggtggcatgt | gcctgtaatc | ccagctactc | aggaggctga | ggcaggagaa | cgcttgaacc | 85020 |
| caggagacag | aggctgcagt | gagccaagat | cgtgccactg | cactctagcc | tgagcaacag | 85080 |
| agcaagactc | tgtctcaaaa | aaaaaaaaaa | aatctctgca | tgaagaatgt | acataaaatg | 85140 |
| gtgcagccat | ttcggaaaac | agtttggcag | gtcctcaaat | agttaaacat | agagttacca | 85200 |
| ctatagccca | gcaattccac | tcctaaatat | actacaccca | agagaattga | gaatatttgt | 85260 |
| taacacaaaa | atgtgtatac | aagtatttat | agctgtatta | tcattacag | ctaaaaagtg | 85320 |
| caaacatccc | agcattccat | cagctgatga | acgggaaaac | aaaatgtggt | ataccatac | 85380 |
| aatgtcatat | tatttggcca | taaaaaggaa | gtactgatac | atgctacaac | atggatgaac | 85440 |
| cttgataatg | ttattctaa | tgaaagaaac | cagacacaaa | agaccacata | ttgtatgact | 85500 |
| gcattttatat | gaagtgccca | gaataggcaa | atccacagag | acagaaagta | gattagtggg | 85560 |
| tgccagagac | tggagggagg | agataatggg | aaatgtggaa | tgactgctaa | tggtatgggg | 85620 |
| tttcttcttg | gggtaatgaa | aatgttgtac | aattagataa | tggtgatcat | tgtaaaactt | 85680 |
| tgtgaatata | caacatgctg | aattttatata | tttattatat | tttatttttt | ttgagacaag | 85740 |
| gtctcgctct | gtcaccacag | ctggagtgc | gtggcacgat | ctcagctcac | tgcaatctct | 85800 |
| ctgcctccca | ggctcaagca | atcctcctgc | ctcagcctcc | tgagtacctg | acactacagc | 85860 |
| atgtgctacc | atgcctggag | aatttttgc | tttttagtag | agacagggtt | tcgctatggt | 85920 |
| gcccaggctg | attttgaact | cctggactca | agtgtctcgc | ccacctcagc | ctcccaaagt | 85980 |
| gctaggatta | cagggtgtaag | ccaccactcc | cggcctaaat | tgtattcttt | aaaagactga | 86040 |
| attgtatggg | gtgcgaatta | tatctcaatt | taaaaaaaac | aaaacaaaac | aaaaaaaaaa | 86100 |
| cctttgcgtg | tgtagggcac | tagggattcg | atgctgaata | agacacagac | cctaccctca | 86160 |
| gagaacacag | agcccagcag | gagagagtca | cagatgaatc | aagtgttaca | tcattctatag | 86220 |
| gaagcgccat | ggaagaaaaga | catggtgcca | tgagaacata | cgcttagaga | aggggaatttc | 86280 |
| atctagactg | gggctcaggg | aggaatcttt | cagggtgatg | cttgtgtctca | gagttttcca | 86340 |
| tgtcagaatc | agtagaattt | atcaatcctc | cagaggagga | aacagcaaat | gaaaaatctt | 86400 |
| acaacaggag | gatgcggaga | cattccgaga | gctgatcaag | ggctgggtgtg | aacaaagcac | 86460 |
| ataggatgca | gagcctgtgg | tgtgaggttg | cagctggaaa | ggtaaaacac | taattacatt | 86520 |
| ggatcttctg | agacaataaa | gagtatgcaa | taatctcaaa | cgaccgaaac | tgaccttctt | 86580 |
| cctccctaac | ttgcttgctt | ccactgttgc | ccgtatcata | aaagcaccac | cctcttctac | 86640 |

| | | | | | | |
|-------------|-------------|-------------|-------------|-------------|-------------|-------|
| ccagtggctt | aagacacgaa | actcaagtca | tcccaggctt | tctccccacc | tcaactctcca | 86700 |
| catccagcct | atcagcgagc | ttgtgggtct | taccacgtaa | agacttctca | tctccagcta | 86760 |
| ctaccatccc | ccaagcccag | atcaccatca | gctcaggcct | ggactcctgc | aacctttcta | 86820 |
| accgggtctt | cccaatccta | cccccgcaac | atgaccccaa | tagcccatca | gaattggacta | 86880 |
| atcgagatgt | agattttgatc | aggccacatc | ccttgaaagg | cttcctgtga | ccctcgggga | 86940 |
| aatgcacaaa | ctcccaatga | tggccccctga | gtcctgtgcc | atctgggtct | gccctctgcc | 87000 |
| ctctgtgtct | ttgccatggt | aacctccttc | acaccatta | atactccatg | ctctctccta | 87060 |
| cctcaagttc | ttcctgggct | ggaacattct | ctgcactagc | ctagccaact | aaccttttag | 87120 |
| atcttttggt | tgtttggttg | tttggttggt | tgtttttgag | acagtcttgc | tctgttgcca | 87180 |
| ggctggagtg | caatggtgca | atctatctcg | gctcactgca | acctctgcct | gccgggttca | 87240 |
| agcaattctt | ctgccttagc | gtcctgagta | gctgagacta | taggcaccta | ccatcacgcc | 87300 |
| cggctaattt | ttgtattttc | agtggagggtg | ggttttcacc | atgttggcca | ggctgggtct | 87360 |
| gaactcctgg | ttcccaatga | ccacctcctc | cggcctccta | aagtgcctggg | attacaagca | 87420 |
| tgagccactg | tgcccaggca | acacttcaga | tcttaatgat | catttccttt | aagtgcctga | 87480 |
| cctctttag | taactagcct | gactccagca | atgaatcctt | ttgcaatgta | acctatataa | 87540 |
| catctgagtt | tccctttgat | aaaactcatc | atataattgt | tcctctgaca | gttcagaggg | 87600 |
| caagggcctt | tgcccacctt | cctcaccact | atcctctcac | cacttaacac | agaactcacc | 87660 |
| accaccatg | cctcctgcct | gacaaaattcc | taaccatcct | tcaaattctca | ctcacctatt | 87720 |
| accttctggg | aggcagtctt | ccctgagcac | caagacaatg | ggacacattc | ctttatacac | 87780 |
| cctgctgaac | atctcttttt | tgaggggcgg | gtagagatga | gtgtctcact | atgctgcccc | 87840 |
| ggctgacctc | aaactcctgg | cctcaagcga | tcctcctgcc | ttggcctccc | aaaatgctgg | 87900 |
| gattacaggc | atgagccact | gtacctgacc | gcaactgggt | tagnnnnnnnn | nnnnnnnnnn | 87960 |
| nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | 88020 |
| nnnnnnnnnn | nnnnnnnnnn | nnnccctgggc | aacaaagacc | cttcctctac | aaaaaaaaaa | 88080 |
| aaaaaaaaaa | aaaaaaaaaa | aaattatttt | aaattagcca | gacatggtag | tgcatgcctg | 88140 |
| tagtccaagc | tacttgggag | gctgaaggga | gaggatcact | tgagcccagg | aggttgaggc | 88200 |
| tgcatgagc | cgtgatcgta | ccactgtact | ccagcttggg | caacagagtg | agacctcatc | 88260 |
| cctaaaaata | aagaagaaaa | tatggcaatt | tgactgtaca | tctctaattg | gatatacctt | 88320 |
| aaggatgaga | aaggaataag | gaaggacaga | aaaaaggaaa | caaagaagta | gcaacagtat | 88380 |
| ttagcaattg | tattgttatc | aagtaacatc | aatattggta | aaaccagtaa | ttatatttaa | 88440 |
| aatactatat | atgtgtatgt | acattttacat | atgcataatg | taggaaccaa | gtttatcaga | 88500 |
| ggaagagaaa | gggctacaaa | tgtaaaatca | aggaaataaa | aatttgaata | aaaatatcag | 88560 |
| tattaagtat | tattgatatt | tttcttataa | aaaaattata | tatatgttaa | ctctatccaa | 88620 |
| aacccaaaag | cagtgacaac | ccaggagcaa | taaaaaacct | cagcatccag | actgtagtct | 88680 |
| ctaccatttc | caattaaaga | aaccaggggc | tagttgggaa | aaatgacaat | ttcatgtcta | 88740 |
| gggcaagaaa | cacacctagt | gaaatggacc | tgaacattta | attgtgttag | aaagtaagga | 88800 |
| aactctctag | aaataatgtg | atttcatcta | aaagacacag | attctgggct | ggtaaagtgt | 88860 |
| tcaatggcca | aagggtgagac | aatttgagca | tcaagaagaa | tcatgacaga | acagattaaa | 88920 |
| acatgtcaaa | tatattttaa | aatgaaatat | tataaaagaa | acaattagta | gccatccctg | 88980 |
| aaggctcacta | gggcaccaac | tcataattca | aactggtaaa | taaatgtgta | agccaagcat | 89040 |
| ttatttctgg | gtaacaaaat | agtaaggaat | gtttttcttt | ctagaagaat | ctagtgatt | 89100 |
| aaaagtagaa | gatagaaata | gaaaatcatc | cttttgccca | ggggcagtg | ctgtaatccc | 89160 |
| agaactttgg | gaggccaagg | caggtggatc | actggagatc | aggagtgtga | gaccagcctg | 89220 |
| gccaacatgg | tgaaacccca | tctctactaa | aaatacaaaa | attagccagg | tagtgggtgc | 89280 |
| ctgtaatgcc | agctactcgg | gatgctgagg | caggagaatc | gcttgaacct | gggaggcgga | 89340 |
| ggctgcagta | ggctgagatt | acgccactgc | actccagcct | aggcaacaca | gtgagactct | 89400 |
| gtctcaaaaa | aaaaaaaaaga | aagaaaagaa | aatcatcctt | ttgcgatcct | aatgaaataa | 89460 |
| tgggcctagg | cattgatcat | taatggctcc | taaaatcact | aagtatatgg | ttgatgggaa | 89520 |
| acttttatag | ggatggatca | gactcgcaat | gtctaaccac | gttgatcaat | cttaacatcg | 89580 |
| taacaagaca | acagacacca | ggggctgctg | acaggagaac | agaggaaacc | catagctcta | 89640 |
| ccactgagtt | attcacggca | aaaaaaaaaa | aaaaaaaaatt | aaactgcgtt | tcctccaagc | 89700 |
| ttctaatacct | gttggtttaca | ggaaataccc | aaggaaagga | atacttttaa | atgacacatt | 89760 |
| aaaacaacgc | caaatccaaa | atatggggaa | atgacccagt | ttcttcaaca | aataaacaag | 89820 |
| aaaaggtagg | ggggaggact | gttctagatt | ttaaaagcta | tagaagacac | agcaacccaa | 89880 |
| tacactgcat | ggaccaggca | tggatcctaa | ttggaacaaa | ccaactgtaa | aaggatgtat | 89940 |
| ttgaaatgat | tggaggaatt | tgaacagtga | ctgcacagta | gatgatatga | agaaattatt | 90000 |
| gttatttttt | aggtgtgatc | atgattttat | gggtgatgtt | aagtaaaaga | ggccttattt | 90060 |
| gttagagata | catgtacggg | tatagagaaa | tatttacgga | tgaaatgata | cgatgtctga | 90120 |
| gatttgcttt | gaaaactcta | gcagggtgtg | gagaagcagg | tgcatgggtg | ggggaaggga | 90180 |
| tagatgaaat | aagtatgcaa | aatggttagtc | tacttttgtc | cctcctgacc | cagcagggtta | 90240 |
| aaatacctca | gcatacctct | actcctccaa | ccagggtccaa | ggatcaggcc | aaaactccct | 90300 |
| gatgtggtaa | acagcctgac | cccttcttac | ctctctctct | ccagccactt | ccctaagatt | 90360 |

| | | | | | | |
|-------------|------------|-------------|-------------|-------------|-------------|-------|
| ccccagtgtct | ctgtgcccta | gccagcccga | ctcatctgcc | cagattcctc | aatgtttcac | 90420 |
| tctctcattc | accattttga | ccccactgtg | ctcctgggcc | actctccaag | gccccgcctc | 90480 |
| ttcatctcct | ccctccttac | tcattccttca | ggctctggct | taggtgccat | tccctccagg | 90540 |
| aagccttccc | tgacaccaat | cccatcctca | cctagaacag | attatgtgcg | cttcttttgtg | 90600 |
| cccccatgg | ccccctgtgg | gtttgtctca | cggattataa | ctgcctgact | acctgccttt | 90660 |
| ctccaccctc | tagactgaga | acaccttgag | aaaaagaaca | catctatctt | gtctgtcatt | 90720 |
| gaatccctgg | tgtctggcac | catggctgac | acataactat | cactcagtga | ctagtgtttt | 90780 |
| aatgaatgaa | tgagtgcac | tagacagggg | taagaacaaa | agagaagacc | aggcatgggtg | 90840 |
| cttcacgcct | gttatccag | catttttggga | ggctgaggcg | ggcagatcac | ccgagggtcag | 90900 |
| gagttcaaga | ccagcctgac | atggtgaaac | cccgtctcta | ctaaaaagac | aaaaattagt | 90960 |
| gggggatggg | ggcacacgcc | tgtaatccca | gctacttggg | aggctgaggc | aggagaatct | 91020 |
| cttgaaccca | ggaggtgcag | gctgcaatga | tctgagatca | caccactgca | ctccagcctg | 91080 |
| ggcaacagag | taagactcta | tcacaaaaaa | aaaaaaaaaa | aaaaaaaaaa | gagcgagaga | 91140 |
| agatgtcatg | gggtaaatga | agacctccct | tcctggttcc | ctgaccagcc | cctgccctcc | 91200 |
| cccgcatctc | acctgtcttt | cttgcttctt | tctgggtactt | ctgtttaagc | cgggtccatga | 91260 |
| gcaggccatt | ccagggggca | cacagcactc | cgaactgagt | gaaggcaaag | gcatttgtgt | 91320 |
| aggtgctgac | tgcagaagga | agagagaggt | tggttgatga | gaagtttcca | aaactccctt | 91380 |
| ccaggcaggg | actctcccac | cttacccttg | tctgcatgtc | cctcctcccc | acaccatcag | 91440 |
| acctcctct | ggtgtgtaca | gccctgctgg | gaggctctgt | gttcccagct | gggacatgca | 91500 |
| gatgggctac | ctcccagccc | taccacatac | ctcgtgccat | gtccccaccg | gccatgttgc | 91560 |
| tcagacaagg | gttgagagtg | ccaatgaaga | ggtagtgcca | caactgtatc | acagacagcc | 91620 |
| acacagggtg | ccaggcaaag | cgccgagaga | aagcgtagct | ccagaaggag | cggagtccct | 91680 |
| gcttctgccc | tgcccctggg | gtctctaata | gggagaggag | gatctgggcg | tgaattacga | 91740 |
| ggaaagtggg | caggtaggat | ggggagtgtg | gaggcttcaa | tggaaacattt | cagatccggg | 91800 |
| cccaccttct | accttgggt | cccagaactc | acccggcggt | ctctgcacct | gcctcggact | 91860 |
| cacacatccc | cacctccctg | ctttgtcatg | ctggccctac | caccttggat | gacctctgt | 91920 |
| gttcttctct | attgaaatcc | gatctgtctc | tcacagcctg | gtcaatgaca | cttcttgcag | 91980 |
| taataccttc | ctgatctttc | tcagcgagaa | aggtgaaagg | aacgacaagg | agaggagaaa | 92040 |
| gtcagaaggg | agaggagaat | gagtgtggat | actctgttct | aacctgctcc | tcagcacctc | 92100 |
| cctttctttt | gataccagta | tcctgagttt | ctttgggaaa | tcttctctta | ccctaattct | 92160 |
| catgggtccg | atgggacct | gaattcagtg | tctgttctct | ctctcaagg | taaccaatga | 92220 |
| gatggttcc | cctaacaagg | cagaccggcc | atgagtttag | attaggtagg | acttaattcta | 92280 |
| aaataggtcc | tacaccttgg | caagttcaat | gtcctccctt | gatttttgaa | gcttcccaga | 92340 |
| acctattct | tctttcttta | aaataaataa | ataaatacat | gttttggatc | caattgtcag | 92400 |
| atggtaaaaa | taaaaacaaa | aaaatcaatt | ttattctgta | tatttaagat | atacaatatg | 92460 |
| aggtcatagg | atacatatag | ctactaagat | ggttactaca | gttaagcaaa | ttaacatata | 92520 |
| catcatctca | catttctacc | tgttttgtga | caagagcagt | taaaatctac | ttgttttagga | 92580 |
| aagtcccaaa | cacaatgcag | tttgatgacc | tacagtcttc | gtgctgtgca | ttagatctct | 92640 |
| aggcctgttc | atcctgctca | tctgctcctt | tttgtccttc | gacctgcata | tccatctccc | 92700 |
| tctcccaccc | cgttcttatt | tctactgtag | ctagtgcggg | tttgtgatgt | gtgtaaccac | 92760 |
| agacccagaa | cagagaggaa | ggaaagggaag | cagtgtataga | gttgggacaa | taagagaggg | 92820 |
| cggaccagag | agacctggag | aaatgggggc | actgtaccag | acttagtgca | atggcatcac | 92880 |
| agaagagggc | agaaccgagg | agtgggggga | agggaaaggca | acccatggca | ggcgggcttc | 92940 |
| aaggggtggg | gaagtgatag | gatgcgaaat | agagaaaaga | gggacagaaa | agagacgaaa | 93000 |
| gccctggacc | ctccattaag | tgagaggggt | gggaagatgc | ctaaggccct | ttttctgtcc | 93060 |
| tgcccttcct | gattctgggt | ccctggggga | gctctggagg | tgagggggcca | ggaaaggcac | 93120 |
| aaggagaggc | ttgggtctgg | aggagagatg | ggttagccag | cagggtcac | cttctctcgc | 93180 |
| tgaaaggaa | tcctttgact | gtagctccct | gttttcatgc | tcagctgttt | ccttctcttc | 93240 |
| ctttgtgggt | ccattcccag | ggcacaggct | atggaaacaa | aagccccacc | agcaaggcca | 93300 |
| aggactgtga | gccgaacctg | agactcagac | tggagggaat | agcatgggtga | atcccacatt | 93360 |
| ccaccgcact | ttggaatcac | cttttagcca | ctctgatgcc | cagggtgcag | accagaccag | 93420 |
| ttaaatcaga | atgtctggag | gtgagagcca | ggcttccctt | tctaagatct | ctatgtgaat | 93480 |
| ctagtgatcc | taataagcag | caaagtttag | gaagcatgaa | aagagtaggg | caggcccagg | 93540 |
| ttcaaatccc | agctctgcct | cttcctagca | acagaaagat | ggctcagact | taacccttct | 93600 |
| gagcctcatt | ttttgcattt | agaaaatgga | gataaggata | tctcagagga | ttattgtgag | 93660 |
| gatgaaatca | gagagcacat | ggggtctgac | aattagtaag | tgagcagcaa | aggaatgccc | 93720 |
| ttcctctact | ccttgtggca | aatgactgca | aaaatgatca | catttcttca | cctcctctgt | 93780 |
| atctccccca | ccttgaatga | gactgcagct | ctatttcccc | atgcccctgaa | ctgggccag | 93840 |
| ctttgtgaac | tgcttcagcc | aaaagaatgc | agcagaagtg | gctgtgccaa | ttccaagctt | 93900 |
| aaatctcaag | aacgcttgtg | catttctgca | ctcttttcaga | acctgaaat | cacggtgtga | 93960 |
| atgagcccac | gctggcttgc | tggaggatga | cagccacgtg | acccaggcat | ccctgtcact | 94020 |
| ccaaacctat | gtgagtggag | ccatcctagc | atagccagcc | cccatgtaat | cctccaaatg | 94080 |

| | | | | | | |
|-------------|-------------|-------------|-------------|-------------|-------------|-------|
| atcagatgta | tgaatgagcc | ctgtcaaaat | catctacatc | tggccctgat | cagcggaact | 94140 |
| agccagctac | ccacagactt | gtgaaaaata | ataaatgctt | aacatttttag | gctgctgagt | 94200 |
| tttgagatag | tttgttatgc | agcaatagct | aacagatgca | ctgctccagt | cctcctcctc | 94260 |
| tcctgtgata | ggtttgcctt | accctgtcca | tcccacccta | gggccaatga | ggggctctgg | 94320 |
| cccacaatca | ccagatagtc | cttaccata | gctgtagtgt | gggggcagtg | gggtatgggat | 94380 |
| gtgcccccg | ggcatcagga | ggaaagtgcg | tgctacatgc | caggtactgc | agacagagat | 94440 |
| gaagatgaag | gaggccctga | ggctgatgcc | tttttcataa | agaagctgca | gaaggagaag | 94500 |
| gaaaaagtca | gtgtcacacc | cacgttcata | gcagcactat | tcacaatagc | caaaggatgg | 94560 |
| aagcaaacta | aggggtccatc | agcagatgaa | cagctaaaca | taatgtgatc | tatacacaca | 94620 |
| atggaatatt | attcagcctt | aaaaaaggaa | agaggcaacc | atgctggctc | acacctacaa | 94680 |
| tcccagcact | ttgggacgca | cgaggatcac | ctgagcccag | ttcaagacca | gccttgacaa | 94740 |
| catagtgaga | ccctcacccc | ttctctagaa | aatttttatt | taattagctg | gggtgtggtg | 94800 |
| catcacctg | tagtgccagc | tactcaggag | gctgagtggg | aggatttctt | gagcccagaa | 94860 |
| gtttgaggct | gcagtgagtc | atgactgggc | cactgcaccc | cagcctggac | aatgaaacat | 94920 |
| gaccttgctt | ccaaataaaa | aaaaaaaaagg | aaaggaaaga | aattctgaca | catgctgcaa | 94980 |
| catggatgaa | ctttaagagc | actatgcagg | gccaagctca | gtggttcctg | cctgtaattc | 95040 |
| tagtgcttta | gaagaccaag | acaggaggat | tgcttgagtc | caggagcttg | agaccagcct | 95100 |
| gggaaacagc | aagacctcat | ctctactaaa | aataaataaa | taaatcagct | gggcgtgatg | 95160 |
| gtgcacgcct | gtaattccag | ctacttgagg | ggctgaggtg | agaggatatg | attacatgat | 95220 |
| tacatgcctg | taatcccagt | actttgggag | gctgaggcaa | gcagatcacc | tgaggccagg | 95280 |
| agttccagac | cagcctggcc | aacatggtga | aaccccgctc | ctactgaaaa | tacaaaaatt | 95340 |
| agtggggcat | gggtggcacgc | acctgtaatc | ccagctactc | gggtgggttaa | ggcaggagaa | 95400 |
| tcgcttgaac | ccgggaggcg | gaggttgtag | tgagccaaga | tcctgccacc | gcactccagc | 95460 |
| ctgggcaaca | gagcgagact | ctgtctcaaa | aaaaaaaaaa | ggttaagata | gtaaatttta | 95520 |
| tgttatgtat | atttttattgc | atacaaaaac | atcagcagaa | gaggcagggg | ctggaaccct | 95580 |
| gttttctaag | gagtcctagt | acaagccatc | acctactatc | ctgtaagctg | attagggaca | 95640 |
| cctggtacac | acatgcccc | acccacccca | agacacaccc | ggcagtagag | gagtcctcat | 95700 |
| acgacccatc | cccacagccg | gtggagcctc | ctcgtgtggc | tcctccagaga | tcttctagcc | 95760 |
| cagtgccttt | tttcccccaa | cgacagcaaa | ggccttttgt | tcaaagaaaa | ttttacacaa | 95820 |
| aaattcatct | tacaaaacac | accaatgggg | agcttgccag | tcattctcct | cctttattct | 95880 |
| cttggtagct | ggtagacat | caaagagatt | ccctaagttc | ctcaacagct | cagtttgaaa | 95940 |
| accaccgacc | tagcccaacc | tcctcccat | ttacagagag | tgacgttgag | gtccagagag | 96000 |
| gtgcagtga | ttgctcaata | aattgacaga | gtaagcagca | gcaaagtcag | attaaactaa | 96060 |
| gaattcctgt | tcctgctccc | tttccccctc | caactctaga | gagacaggag | agaggctggg | 96120 |
| catggtggct | catgcctgta | atttcagcac | tttgggaggt | caaggaaggc | ggattacttg | 96180 |
| aggtcaagag | ttcaagacca | gcctggccaa | catggcgaaa | ccccatctct | actaaaaata | 96240 |
| caaaaataag | ctgactgtgg | tggcacgcct | atagtcccag | ctactcagga | ggctgaggca | 96300 |
| ggagaattgc | ttaaacccac | taggcagaga | ttgcagtga | ccaagatccc | accaatgcac | 96360 |
| tccagcctgg | gagacaaagt | gagactccaa | ctcaataata | aaaaaaaaaa | aaaaagagag | 96420 |
| aggaaagaaa | gatgaggcag | ccatctgggt | tctccagggg | aaggagggag | aaccagaaaa | 96480 |
| gtgactctta | tgccaggagt | agaaaaggct | gagtgcctca | ggggctcagt | ctctgcataa | 96540 |
| ccctccaaac | ctccaaagct | tatgggacta | agctagactc | atgtctgggt | ggtgactgcc | 96600 |
| agagatcctc | ttctctgccc | ccataacctg | caggcagtg | caactgcctg | tgacctaa | 96660 |
| ctaagcccag | agagaagtc | caggttggat | ggcttgagat | ccacactctt | cccttccttt | 96720 |
| cactcagcca | tctgtggtgt | gctggcttta | gtcctccagc | ttgctgcctc | ataattgaag | 96780 |
| catggttgcc | acaactccag | ctatcacatc | ctcacaccac | aacattcaat | gaggaagact | 96840 |
| ttgtttttac | tctgctttca | ccttgctgca | gggaagaaaa | gtccccctga | atcttccact | 96900 |
| atatacactc | cctttatctc | attaaaaagg | actggatcat | atgctgacct | ccacctatca | 96960 |
| ctagcaacgg | gtaaatggat | tgccatgggt | ggctttaatc | aatcaggatt | catccccctg | 97020 |
| gctaagcggg | tcactgcccc | gataaaactg | ttcgcaatga | ataagacaga | atggttggtg | 97080 |
| attgacctct | aatagccttg | gcaacagttc | atccccctgat | accccaacat | cagccactgg | 97140 |
| gacagctgga | caagcctctg | tgtctgcccc | tgctgtaccc | actagccact | tgccaccttc | 97200 |
| ttgtccaaac | tagaagctca | cagcagcaaa | cgccccactc | taaagggtccc | ccagcctcta | 97260 |
| cccaacactg | gccaagcac | attatgacca | ctgccacaaa | agcttgggca | agtctgaaga | 97320 |
| aggggcttag | cggttacaag | ctcaggctct | agaaccgaca | agcctgggtt | caagttccag | 97380 |
| tatcatggct | actagctgca | gaaccttcaa | caagcttttt | aacctcagag | actcaaatgc | 97440 |
| ttcatctgta | aaatgggggt | aacacagtac | ctacctcacc | gagttgatgg | agacaaataa | 97500 |
| tgcaggttca | caagacaagt | gtctggcata | tacaagtgcc | cagtgaatgt | aggctgttgc | 97560 |
| tatatattacc | ttcaataata | ggaagactgc | cgaggaagag | tcaaatgctc | cattgtacag | 97620 |
| agtgatgatg | gtcgaacggg | gttggccaaa | taggttccca | atctggggat | gataggacta | 97680 |
| gcctggatca | cttattttatt | catgaaacag | atacttctctg | agcaccacag | atgtggcaga | 97740 |
| ccctccttat | acccaaactc | accctccacc | gctagagctc | ccacctcagc | ttggggccaa | 97800 |

| | | | | | | |
|-------------|-------------|-------------|-------------|-------------|-------------|--------|
| cccatctgag | gcagccaatt | atagaaaagg | gtctctcctt | ccctccacct | tcccgccacc | 97860 |
| ctgccgagtg | cctgggatta | gggaaggctc | ccacctgcag | gttggtgatg | agaaacagga | 97920 |
| ttcccccaat | ggtgagcatt | ggcatggcca | ggaagagcag | cacggctgag | cctggaccat | 97980 |
| caaagtcaga | ggtagggtgg | tgcatagtg | caacccaaac | atggagcccc | aaactctgct | 98040 |
| cccacctgct | ccaaattccc | aacaatcctg | gtatccaggc | cccaattcta | gccagcgttc | 98100 |
| cagcgtcctt | caagggtttt | taggataccg | gccaaggctt | ccccagatat | ctctgtggaa | 98160 |
| gtcttctgag | ccaccttctt | cccaacccaa | gttggtcctc | agtctgtggc | aggccaggaa | 98220 |
| gtctacagac | agaggcagag | ctctaagtga | agccacctct | ctcttccctc | agtaaaccac | 98280 |
| aagctgcctc | tccctttcat | ccttgacact | cctggaaaag | aagaccctgg | actcagggtcc | 98340 |
| ctggctcaac | cctctagccc | attccctaatt | tcatgggtatt | ggccttgagc | ttcaatcatc | 98400 |
| tgtttaatgg | gaacaacagt | tcctgctctt | ctgtctcag | gtgctatgag | aactgagtga | 98460 |
| gaaaaggacc | atggtctttt | ctttgttcac | taaactctga | gcacttcttt | ggtgcagggc | 98520 |
| attgtgcttg | gcactggaaa | tgcaagatga | atcagatagt | ccttgccctt | aaatagactg | 98580 |
| acatgcaaac | aaatggttat | aacaggctctg | gtaagtgtga | gaccacagca | aaaaagctca | 98640 |
| agagctgggc | taggggaacc | cttgacaaat | tcttctctcc | caaaccagac | ttctgcccac | 98700 |
| cattattctg | gccacaacct | atgcctgtcc | tattatttgc | taaaatgttt | taagttgact | 98760 |
| cactttttatc | caaaaagtat | ctatttttaa | aggacacttt | atatcactac | tgtagatgaa | 98820 |
| aacactggca | ttacttgtca | tgaatagaaa | gtaactgtca | aaataaatac | aatgaaagga | 98880 |
| aaacaatggt | attcaattgt | agctggatgc | atlttgacct | agaatgttca | aagcctaaga | 98940 |
| cctgctcttc | ccatcagtg | taaaatcaca | ctggccccac | atgaagacat | tctttcatga | 99000 |
| aatcagaagg | actgaaagag | aaataaaaaag | ggaatagctg | ttctaccagg | tgattttagt | 99060 |
| tttggttagtg | tagttcacgt | agtatgcgtg | tgccccctaac | atcctcttaa | ctaccgtgct | 99120 |
| ataccttaag | aagcactgcc | aagagctaat | tttagagtat | tcacacagtt | taccattcaa | 99180 |
| tttctgtctt | tataaaatgt | acatctctcc | tactactaaa | ggttggagac | tcctttcaca | 99240 |
| atagagtctt | tatgggctca | atgctttttt | caaaactgaa | aagccctata | ttatggagga | 99300 |
| agaggaggat | tggtgctcag | acgatttgca | ggcacgagtc | aaacattacc | cagccaccac | 99360 |
| ctccacattc | agttgcttaa | aaatcattta | caggctttta | gagtagatga | tgctggtttg | 99420 |
| ataaggagag | tggtttgaaa | taattgggtt | gaggtgctgg | gccatctcat | gagatctgtg | 99480 |
| tgaacaaaga | cactcagcct | ctgtgtttgc | ccagcatgag | tgcagacaat | ctcatgatgc | 99540 |
| tgtcagcttt | agcatagctt | acacacacaa | gagtaatgta | ctttctttcc | taaacccaaa | 99600 |
| attgagccac | gggtctaaca | ctaggaagga | atattgggag | gcatctcgtg | gccaccataa | 99660 |
| ccaaggcaat | gcagaaaaga | agagtggagg | atcaggaggc | ctgcacatca | ggcccacctc | 99720 |
| ccacttgctt | tctctgtggc | catggacatg | tctttgcaag | gggtcctgct | gtggcttcag | 99780 |
| tttctcctct | gtgtaatggg | tggaaggggtg | gtggaaaata | aaccagattg | gagttccaga | 99840 |
| cttaacagac | tggtgaaatt | ttaaaacaaa | gattttgagt | acaataggg | tgtcaacttt | 99900 |
| taccctgcta | agtaaggata | tttgcaaaat | ggtcattcat | ataatcattt | cattaaaaag | 99960 |
| agaaagagaa | catttttaaca | cataggagaa | ggatgtaaag | gttttttgtt | gttgttttgt | 100020 |
| tttttaggg | tttttggttg | ttttttggta | gagtcctact | ttgtcaccca | ggctggagtg | 100080 |
| caatgggtgtg | atcttggtct | actgcaacct | ctgctcctcg | ggttcaggca | attctcctgc | 100140 |
| ctcagcctcc | tgagtggctg | ggattacagg | cgcgcaccac | catccagcta | atttttgtat | 100200 |
| tttttttagt | agagaaggga | tttcaccatg | ttggccaggc | tggtcttgaa | ctcctgacct | 100260 |
| cagatgatcc | accgcctca | gcctcccaaa | gtgctgggat | tacaggagtg | agccactgca | 100320 |
| cctggccaga | tgtaaagtgt | tgaataaatt | ctactctctg | aagtaatccc | tctccatcat | 100380 |
| ccttgctttt | cacattttct | caataaactg | ttttcacaga | ccagcaatag | ctcaagatcc | 100440 |
| ttccaggatt | ctttcaagct | gcagatctct | gaataaccat | gtggctctgta | tatcttgctt | 100500 |
| atagccctct | gtccacacct | gccccagcca | ccagggtgct | ctgagcttgc | atccctccca | 100560 |
| cccacctgac | agcactcacc | tgcagagggtg | aaggctatga | tgagtgtggc | ggtgggtgtg | 100620 |
| aaaaatctga | aacacataac | aggaaaagca | gaatattgtc | aaggagggag | aaacctggga | 100680 |
| gaaaaaacat | gattctgctc | agccagccca | caagtgtagg | acttgaccgc | accctcagcc | 100740 |
| tgggatgcaa | cgggcactga | tgctcttgag | ccccaggctc | aaaaccaggc | gcaagaagcc | 100800 |
| gcgatgagat | tgagatgtgg | tcttgacctc | atggacagtg | catttttgctc | attctgaggc | 100860 |
| ccaaggctag | catggaaagt | cttggaacaat | gagctcagct | gacgatgtga | ttggcttggg | 100920 |
| acttagccag | gacagaatgg | gcaaagcgaa | ggctctccca | cctggaagcc | ccaacagccc | 100980 |
| aaccccttgg | agaaaggggt | tagtgcctgg | tctgcaaatc | aaggccttga | gttctaactc | 101040 |
| ctcctcactc | tgtgaccttg | ggcaaggcgc | tgctcttctc | tgggcctcag | gagccttttc | 101100 |
| tataaaaaaga | aatgatcgga | ctgatctagc | tcagagtgtc | atgatttcag | gactacagtc | 101160 |
| ccaagggttat | caggctccct | tagcattttg | gggtcttgta | aggcatggag | taaaaaaaaa | 101220 |
| aaagcaatat | cctaaggctg | gagaagagg | aggggacaaa | ggaaggggag | gaaaggggag | 101280 |
| gtagcagggg | gccaaggacc | aagaaggact | gaggtacagt | cattctgcat | ccaaaggctt | 101340 |
| aaattgtaag | ggactggctt | tactctggct | gtttccggaa | aggcaggccc | agccagccct | 101400 |
| cccgctctctc | tctctgacag | ccaatctcac | atgtgcctcc | ctgggagcac | ctgctctgag | 101460 |
| ctgtatcagc | ccccagcagg | ccgctgatta | ccactgagcc | tggccacaga | gcacgagatt | 101520 |

| | | | | | | |
|-------------|-------------|-------------|-------------|-------------|------------|--------|
| aggatgcagc | aacacactgt | gtgtgagatc | acgtcccgaa | ccttctgact | catctgcaca | 101580 |
| ggaaccccc | ccagtctccc | ctccagtcag | aagggacctg | aaattccacc | agtggcaata | 101640 |
| ccaaagaaac | ttcctattag | ctaagcccct | agggagtgat | tggctggttg | ggcggggagg | 101700 |
| gggggcggtg | aggaggatga | ggatgaagcc | tgggcaacct | ggatgtgagg | ctgtgcaggg | 101760 |
| gatgaggaca | aggatccttg | gggtgaagga | agagaagagc | aatttttaggt | tttgctaatt | 101820 |
| ttgtaaccct | ggctccaagc | cagcccttac | aggaagtcac | cctggcctcc | ggctcaattc | 101880 |
| agcacgtgat | aggggaagcca | catttatgca | gagcagggaa | cgaggtaagg | aaatggaagt | 101940 |
| ggggctgttg | tgaagtgggc | aagtctagag | agagtcccgc | tgcctggggc | tgctcctaac | 102000 |
| agctgctggg | agcgagctgc | aggtgtggtg | cctggcaggg | tggccgggct | gtctgactct | 102060 |
| ggatttcact | ccaagctagg | ctgctgcctg | aaggattcct | cttaccacc | tttgctggg | 102120 |
| ctggcctttg | ggacttacat | ggctatgagg | cgtgccacgg | tggctctgaa | ccggtcaaa | 102180 |
| atgtagccag | tggggaatgt | catgaagtgt | ttcatgaagg | acccaggggt | gaagctgagt | 102240 |
| gagaacctct | catcctgggc | tttgacgtct | ggagttagaaa | aaaggtctcc | catgcatccc | 102300 |
| agccttcctg | ccaaatgagc | acacaggctg | ggctcccctc | cacctcagac | agcttgtcgg | 102360 |
| tcgcaaactt | gtcccttaag | ctgagttgaa | atgtggctgc | ccctaattac | ccctcaggag | 102420 |
| ctgggtgcctc | cctcccaggc | acttcccaga | tcaagtgggg | tgagagctgc | tgacccttcc | 102480 |
| tctcatcata | gaaagagggg | tgggcagggg | gcagagtcct | tcctgctcct | tgccaccacg | 102540 |
| tgggagccag | acttaacttc | cttagaaaa | tcacccctgc | ccttaccagc | ctgccctgtg | 102600 |
| gcattgccaa | tcggcccagc | atctggtcca | cacagatcct | taaagtaatc | ttcattcttg | 102660 |
| aagacaaaca | ctagtgaagg | ccagccaaag | aggacgccag | caaagcccag | gcattccagc | 102720 |
| agcccagtc | gcagtgtggc | cacgtgcagg | ggcagccct | ggcccgccat | gagcagaagt | 102780 |
| ggagtggatc | ttcaaatccc | actttgtcct | cctggacgga | tcacaggcgc | cgtaagcctg | 102840 |
| gcgtttgagc | acttgaaaa | ttcctctggc | aagccaagcc | cttcctttcc | cgtagctctc | 102900 |
| tggttgtttc | aggcctgggc | aaaaaccatc | agcgggtgat | tctctggatc | ctgtagaata | 102960 |
| aagatagagg | ctgctggaag | aggaggcctg | cgggaaaggg | aaaggtagac | tagagttatt | 103020 |
| tgtgaggtgc | attaagaggc | aggatgatca | tggccgctgg | cagcaaagt | ggggaataaa | 103080 |
| tactccaata | catcatctta | ggcactgcat | ttgagtaacc | acgtggcaag | tagagaggca | 103140 |
| ggtcttgatg | gccacctgga | gtcacagggtg | agataaacga | cttacccaat | agctcccccg | 103200 |
| gagcaggtgg | agaagcggag | ctcctgcgct | cgaattctga | ataccgtccc | ctaaaataat | 103260 |
| gacagcaact | caaccagggtg | cagaggcagg | gagatttcac | acagaagaca | caaactcccg | 103320 |
| ctgccaagtt | ggtgttatct | tcagtttact | gacaatgaaa | caaaagctcc | catggatttc | 103380 |
| aggaacttgc | ccaaggtcac | agggctagtt | tagtcacgac | gcaggccatt | ctactgccag | 103440 |
| aaataccccc | aactcccatg | accctcgcct | aggactcgca | aacctgggtc | ccgcgcctc | 103500 |
| tcctcgcac | aacttctacc | aggaaagcct | ccgggggctg | ctcccgcca | gcctccgcac | 103560 |
| cccgtccag | cctgcggcct | gccctccccg | cagaggagcc | cgaggggcca | ggccgcgctc | 103620 |
| ggcgcccat | ggcgcccga | aggggaccct | tcgccttacc | cgctgctcc | gcgcggggg | 103680 |
| tctccgcgc | ctttccgcac | gggccagggt | cgcattcgcg | cctctcgcag | ccccctccag | 103740 |
| tcccctgctc | gcctccgcgc | cctcctgccc | gcccgggaag | ggctggggca | gacctccac | 103800 |
| tctccatcac | ttccttcttc | ttttcccttg | ctcacagcct | ccgcgcctc | ttttacctct | 103860 |
| ccctcttgaa | acttctccct | ctagaacccc | ctagaacccc | agcgggtgtc | ttccctccct | 103920 |
| cctcgctgcc | tttcagcctc | ccagccccct | tgctctgcc | ttccctaacc | aagttagttg | 103980 |
| aatgctgtta | ctcgctcagg | cccacctagg | gaaaatgtca | caccacgcac | ccagaggaca | 104040 |
| cacagacagc | acatgagggc | atagggacac | acacactcta | tttgtgcatt | ttgccttgac | 104100 |
| cgctgggttg | gcaggggaaca | tatttttctc | atttgcacac | cagcttaacc | gtctctccca | 104160 |
| gtttcacact | cccagagctg | ccaaaaaat | cccaaccaca | gaatcaggaa | gccaagaacc | 104220 |
| aggactgagg | gcttttcaga | aaccatcccc | tggaggactg | ccccatattt | tcactcccaa | 104280 |
| aaacccttta | gatgactccc | tgctcacc | ccgcccccca | ggttctgaaa | gagccttccc | 104340 |
| gccagactgc | attgattaac | cattcattgc | cccatttttt | attaatcaaa | gacatatata | 104400 |
| attgctcatc | ggagcttgtg | atcagcgtga | ggccttacta | agcagctgcc | ttactatcct | 104460 |
| tccagcccag | agcacgtgag | ctgacgtctt | ccttggcctg | tgtggccggt | tccttgccaa | 104520 |
| aagctcagtt | tggggagagc | ttcttgcgta | ttagatgcag | tctgcagact | cccaacccca | 104580 |
| gctacctgga | ttccctgagg | gcccaggaac | tccagctatt | ccaagcccac | tcctcttttt | 104640 |
| tttaagagga | agaaatagag | gttacgatag | gggacagcca | gaactgagga | ttttccagct | 104700 |
| caccacaaa | gcacaaaaga | taaaagtctg | caaccaccct | agtgacttga | ctgaatggag | 104760 |
| gaaggggtgg | tggggctctg | taccccaagc | tactcactag | ttatacaacc | tgaggcaagc | 104820 |
| tctttggctg | ccccacctgt | aagacgagga | caatagtacc | ttaattatag | gaattgtcat | 104880 |
| aaaagaagta | taagatgggt | gtatgaggtc | cctgcattgg | gcaggtgcta | taggcagatt | 104940 |
| gtagggtagt | agattttcta | gtctgcagtt | atgtagacag | agccagagaa | gcagctctgg | 105000 |
| ggaggaattt | caaaggaaat | tgcccacggg | cattctacaa | agctgcagta | ccttcccaac | 105060 |
| tctgaaacgt | atgctctcat | caccccgctc | taacaaacat | ttggacatta | gagaaaacaa | 105120 |
| gtcttttctt | aaaataacat | tatttatggg | agaaaatcca | caaaaatata | gcatcccagg | 105180 |
| acaaacaggg | cttaagatgc | aagattttct | attttactgc | aagacacaaa | gactctgaaa | 105240 |

| | | | | | | |
|-------------|-------------|-------------|-------------|-------------|-------------|--------|
| ttaatgcatg | ccctatcttc | tgctctggca | tacatttttag | tctcctgggg | ggatcagtaa | 105300 |
| gtgtggaagt | agcaagggag | aaacagaaaa | aagtcaaagt | aaagagacag | attttagaat | 105360 |
| gttaatctgc | aggagcctgc | cagaaagatc | tagctcatgg | gctatctgta | catccaggac | 105420 |
| tgaagcacgg | gacacggggc | aggctcgtcca | gggttctgtc | caccttatct | tgttacctct | 105480 |
| cttgactctt | agagcctcca | ctccacatct | cccatcaatg | tctgcagaag | acgtggcctc | 105540 |
| cactaacaca | agtcttactg | aactgatggg | acaggaaatt | agaatatcct | ctgaaccatt | 105600 |
| cccatgttct | ttgggttcgaa | ttccagcagc | tagaaaaggc | agatgctatt | ctgatcactc | 105660 |
| tcctgcgtgg | ctccaatgag | gattaatgag | taacatcaga | gagagaagtg | attataataa | 105720 |
| ggtctgacgg | tgcacccgat | gtcttcatcc | ttttctcttc | gcctccttcc | tcatcatctc | 105780 |
| acaccttttt | ttttttaatt | gactgattgg | ttcaacaaat | acatgtggta | cctcaggctc | 105840 |
| tgtgccaaagt | gccgggattc | gtagagaaga | gattcagtgc | ctgctctcaa | ggggctcatt | 105900 |
| ctcttgtggg | agagacagac | aaagaaaccc | aagatttctg | gagtgtggga | atggtccttc | 105960 |
| aggcagatgc | tagcacagca | cattgaaagg | cacggaacct | caacaaaaca | ataacattta | 106020 |
| ggaaccagct | agagcacagg | gtggtgaaga | aagtggaaag | atttgaggcc | agcgtcgcca | 106080 |
| tctaagttag | ggcattaaga | attcagccca | catcaatcaa | tcatgtccta | ttgatttcac | 106140 |
| cccttaatat | ctctcctatc | tatccgtggc | cactgctcta | tgcagacact | catcatctct | 106200 |
| cacagaggca | tcattctgctt | ccaagccatc | gccattctcc | tgcaagagtt | tatttccatg | 106260 |
| gttcccactg | gatggcttca | cttaactgct | caaaacctt | ctgagggtcca | gtcaactggc | 106320 |
| tggttaaggac | cagtccaggg | tctggggatg | ccagccatga | gacattgctt | tgaggggaag | 106380 |
| agggagcata | gaactggatc | tcctgcatcc | tactgcccaa | gtaccaatgc | tggagggtgg | 106440 |
| tttccttccc | atcatcagca | agtctggata | tccaggatcc | accctatgga | tggttttatg | 106500 |
| gacagagtgg | gaagatggat | atgttttagt | tagggaaga | gggtttgcca | aagagggcag | 106560 |
| tataagttag | ctgcactcca | tcattcccct | ggcacaacaa | atggctagta | tcctctagtc | 106620 |
| ctcaagagca | ccaccttcca | atgcagtccc | tgctgtcca | cagacctctc | tcctcaaact | 106680 |
| tcctctgaac | aacctcagcg | agggcaattg | ccactctctg | ggcagagtcc | agatattctc | 106740 |
| tcctaccctc | tgacatcact | ttctaaattt | gtatatgtag | ataaactctg | agccattcac | 106800 |
| ataaagggct | ttgatttcgg | atacgccaaa | cacataaaca | aacaaacata | agctttcctt | 106860 |
| tcacaatggg | ctcatgtaaa | ttaaaatggt | tggttttcca | cctacgggtc | tgaaaggggt | 106920 |
| ttctacagcc | tgttttggaa | gtcagaaaagc | aaaaggtaaa | tgcaaacatc | atttcacctg | 106980 |
| cagagaaaaat | tctaatectc | ttgaggcagt | gccaaaaata | atacaagcac | actgctatcg | 107040 |
| agccaattac | tggtatctct | gagcttccgt | ctcctcatct | ataaaattgg | aatcgagctg | 107100 |
| tatggattaa | agataatgta | tgaaaactgc | ccaattagta | cactattaat | aaatagcagc | 107160 |
| tactgttggt | aacaaatatt | attgacttac | tggaaaacaa | agaggaaata | aagtcacatt | 107220 |
| tagggagaat | ttcaaagtg | tcctaacctc | aaaaagaaat | aaattagggg | gaaaaccact | 107280 |
| aagtaatggg | tgagctcagt | ttaccttgct | taagaagtcc | caccttagag | aactgatctc | 107340 |
| tagatgacac | ccaaatgcac | tcagtacaac | cccccaagac | tgtctgggct | taaggcaggg | 107400 |
| gcttggaattg | tcctgtaaag | tgtgggaagt | ctgttcatga | gccacagtag | acaggaaggg | 107460 |
| gatggagtct | tagagctggc | tcttcagggt | atctcctagt | gtgttcaaa | cagttctcag | 107520 |
| gaggggtggg | aactactaca | tagccaagta | aatatgaggc | ctccttgctc | tggggagacc | 107580 |
| tttctcttta | acagaggtga | atctgaaaag | atacccaaag | aggcactgga | gggtgggggc | 107640 |
| cactctggcc | cctcagagca | gccagctcag | cttcagtggg | tgctagaggc | agcagaggat | 107700 |
| cagcctggat | cagcctccct | ttcaccatgc | agaaaacaga | gctccccac | cagaccagat | 107760 |
| actggaagca | ctggggccagg | cctaagagaa | agcagagccc | caagccccac | cacaccaggg | 107820 |
| cttatgaggc | tactgctacc | caccctccca | agccccagct | ccacttctat | gttcatcaag | 107880 |
| caactgttta | ctggtaactg | cacttcccga | tagactttgc | tagaaaaggaa | tgcctcagtg | 107940 |
| cactgacaat | atctaaacct | gcaactctaa | ggactaggct | ggggaacact | gtgtcaacat | 108000 |
| ggaggcacgt | cctacccctg | agaagaaaaa | taaggaatat | caataatacc | tgctgggcac | 108060 |
| tgagcactga | ctatgtatct | gattcgaagc | gctttttgct | taatctgtca | ctgaatctca | 108120 |
| cgataggtgt | tggtatttagc | atctattatc | tgggccaact | gaggcctaga | gggacgaagc | 108180 |
| aactccccca | acatcaccag | gtagcagtgt | caggactggg | atagaaacct | gatgctctga | 108240 |
| ctgaaactaa | tgcttttttt | tttttttttt | tttttttttt | tgagacagca | tctcactctg | 108300 |
| tcaccaaggc | tggagtgaag | tggtgtgata | tcagttcact | gcagcctcca | cttcccagggt | 108360 |
| tcaagtgatt | ctcctgcctc | agcctcccga | gtagctggga | ttacaggcgt | gcaccaccat | 108420 |
| gccagctaa | tttttttgca | ttttttgtag | agatgggggt | tcgccatgtt | ggccagactg | 108480 |
| gtctcaaaact | cctgggctca | agtgttctgc | ctgccttggc | cccacaaagt | gctaggatta | 108540 |
| caggcgtgag | ccaccatgcc | cagccagctg | atgctcttaa | tctgtgccct | accagcctt | 108600 |
| cctgggaggg | ttcccaagag | ctacacagag | catgagttct | ggaatcgggt | tgatgggggt | 108660 |
| accagttatt | actaatagga | atgaagatgg | tgaattcttt | cagacagcac | ccttgattaa | 108720 |
| aacaagagag | tagtgctgcc | tctctgtgat | tctgtgtctc | cctgccctgc | tcacacagac | 108780 |
| accacacca | cccacacgca | tgatcatgaa | aagaggaaat | ggatccagga | gaaggagacg | 108840 |
| actcctgagt | gaaaacaacg | gggtttttca | cattgagagc | tttgcccaac | accccaaaga | 108900 |
| tgaaaagagc | aggaaactgc | tggggccgat | tgaacactgg | acttttggtg | tggaaaaagg | 108960 |

| | | | | | | |
|-------------|-------------|-------------|-------------|-------------|-------------|--------|
| caaaggggaag | ccggaagaga | ctggaacagt | ttccatgggtg | ctggaggatg | gggaagtggg | 109020 |
| tagggattag | ctggagggag | aaggagaagc | tggggtgggg | ggggaacctc | cacttgccag | 109080 |
| gagagcacat | gtaggatggg | aaccccgat | gatactcaag | gcatggcatt | agaccagaag | 109140 |
| caagtctgtg | gtgaaattag | ggaaggctcc | actgcggact | gtagacagag | cactggacaa | 109200 |
| ggaagtggga | gacccagggg | ccagtcctgg | ctctggagcc | ccctgggtgg | gctgccccgg | 109260 |
| gcacctttct | ctcttggggc | ctccattcct | acctctgtga | agcgagtgtc | gaacctctct | 109320 |
| tagccctgac | ttgctgaaat | gctgggactc | tgtacagagg | ctgacattaa | gcagggatct | 109380 |
| gtcgtggggg | gctgcaatgt | tcctccagat | gctgcacggg | agagggcaga | aaaggcctat | 109440 |
| atggtgagtc | cgccctggga | gcctctgctt | ggaagctgaa | gtggcctgag | agtgactcag | 109500 |
| aaaccacgga | agttccccgg | gctgatgggt | tcttatagat | tgtacatgca | gctctcctcg | 109560 |
| tgggctgcaa | aaccgcaaga | tgggctgtga | ccactctcaa | ggaaagagcc | ctatctgcaa | 109620 |
| aaagcattct | gccccccagg | tcttaaagca | aacacagact | caatccttat | tcctttttaag | 109680 |
| acaaaattgc | ctcaggggca | tcagggaggc | agcaggcctc | aaatgtgtgc | ctttctagaa | 109740 |
| ttctcaatga | aagcaccctt | ttgggtatta | ataatgacaa | cagtaatgac | agtcattttac | 109800 |
| tgagtgtctg | ttttgggaca | ggcattgggc | taagagctat | atgtaatata | tattattatt | 109860 |
| tgatgccac | agccacccca | taaggaggcg | gaggtactat | cattatgcca | actttaaaaga | 109920 |
| tgaagaaact | gaggcctcaa | gagatgaagt | aacttgcca | agtcactcag | ccagtaaagt | 109980 |
| ggaagagata | gacttcccag | tatccagagc | ccatgttttc | accattatgc | tgaagtacct | 110040 |
| cttttcctgt | gccaatgtga | tctgcctcca | ggaatcctgt | cttgatgttc | ccttccccat | 110100 |
| acagaagtcc | tctctgtgtc | ctcttcagcc | tgtatgata | tcttttcata | ccattctttg | 110160 |
| gacatctctg | ttatactact | ccaatgggtg | tccttccctt | accctccctt | gggagcttag | 110220 |
| ttgtttgtat | taagtataag | ggaaatgacc | cacactaaac | aaactcataa | gagactgatt | 110280 |
| gataaacctg | aaatgcaatt | tattaattaa | cactgagaaa | tgaaccacc | cagcagatgg | 110340 |
| gaatcctaag | gctgactggg | cagcacaatc | tctttcagga | aggacaggct | tttgggaaag | 110400 |
| gaaatcaata | ccagaagggt | ctttgttgag | tacaaagtca | gagggaaagg | agttgatgga | 110460 |
| ttgacacata | ggtgaagctt | gacatacctc | tataaagcct | ccatcctgcc | aaggatcaga | 110520 |
| atatccaagg | cagggagcca | tctgggtgtc | ctctcctttg | gacagtgtctg | gattttttctg | 110580 |
| gacctaata | agatcttacc | tttctggctg | catttatcat | gattgtggaa | ggctttttgt | 110640 |
| ttccttggtt | gcttagatta | atcttctgct | atttaataga | actgaaaggc | aattttcccat | 110700 |
| tgagaccac | tgaagaggaa | taatcaatac | atactagtgt | tgttgccctt | tgcagagaat | 110760 |
| tcacttctgt | gttgctcactg | tatcctcatg | cttcttata | atggaggggac | agagtggtta | 110820 |
| aaaacatgga | cttggaaagg | agaccgtctg | ggtttgaatc | ctggctctgt | tacttataag | 110880 |
| ctctgcaacc | tcgggcagat | tacctaagtc | agtttccctt | tctctgaatt | ggggatataa | 110940 |
| tagcaccac | ctcaacatct | gtcaagagga | ttcaatgagg | gaatacacat | aaagtgtctca | 111000 |
| gaacagtgtc | tgccatctgg | taagcagtcn | nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | 111060 |
| nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | 111120 |
| nnnnnnnnnn | taattttttgt | attttttggt | gagacagggg | tttgccatgt | tggccaagct | 111180 |
| ggtctcaaac | tcctcgacctc | aggtgatcca | cccgccctcg | cctcccaaag | tgctgggatt | 111240 |
| acaggcatga | gccaccacgc | caggccccac | acacctttta | aacaaccaga | tttcatctat | 111300 |
| cgggaagtgc | ctgtgtgggt | ggtgtggaca | tgtgggtgaa | ggtagagttta | ggagaagttta | 111360 |
| ggattctcca | tgacctctgt | tactcatatt | cccacactcc | tcaaattagc | ctgagtctcg | 111420 |
| aggacagtct | gatggctggg | caaaccctgc | ggcaaaccat | tcctccagccc | tgccctctca | 111480 |
| accagagtcc | ttccgataca | tgattctggg | cagctgttgt | taccctgtgtc | ctccatgttc | 111540 |
| ttccagagat | atccatgcat | gcatcggcat | atgtgtataa | ttattatata | tattatttcat | 111600 |
| cccacaagct | tttgacatca | atagtagcat | attattaaat | tgttctgtac | attattttat | 111660 |
| taacttggtg | tctctggtac | tgctcaatat | aagaacatat | agacctggcc | aggcacagtg | 111720 |
| gctcacatct | gtaatcccag | cattttgggg | ggctgagatg | ggtggatcac | ttgaggtcag | 111780 |
| gagttcgaaa | ccagcctggc | catcatgggt | aaacccccat | ttctactaaa | aatacaaaaa | 111840 |
| ttagccaggt | gtggtggcag | gcgcctgtaa | tcccagctac | ttgggaggct | gaggcaggag | 111900 |
| aattgcttga | acctgggagg | cagatgttgc | agtaagccga | gatcacgccca | ctgcactcca | 111960 |
| gggtaggcaa | caaagcgaga | ctctgtctca | ataaaaaaaa | aaaaggaatg | tatagacctt | 112020 |
| ctttattctt | tttgatgggt | gtaggtggat | gttctaaaaa | ttgtgttaacc | aatctcctat | 112080 |
| tgataatatt | taagttatgt | cttcagcatc | atatgaaact | tacaaacaag | gttgcatgga | 112140 |
| ctatccatct | gtaaatgtct | ttttgaacat | ttctagaata | attgcaggat | aaactcctaa | 112200 |
| aatgagaatt | tctgggtcaa | agaggatatg | cattttacat | ttaatagata | tttgtcaaat | 112260 |
| tgtcttccaa | agtgggtcgta | ccaattaaca | ccccgacctg | taatgaatga | gagtgccttt | 112320 |
| tttccccaca | ccctggagag | atgaaaaaatt | tatggggcca | ctttggagtg | catgggtggag | 112380 |
| gaagctgttg | gcggttatat | aacctctgct | attaataagc | ctgggggtgg | ggggggagaa | 112440 |
| agagagggtta | gtaggtgggt | gcaaacatac | aattagatag | aagtaataag | ttctaattgtt | 112500 |
| cgatagcaga | ggaggggtgac | tatagttaac | aacaatgtat | tgtatatattc | aaaatagcta | 112560 |
| gaatggagga | cttaaaaatat | tccaacacat | agaaataata | aatgcttgtc | tgcggccatg | 112620 |
| ccaccctgaa | tgtgccagat | cttggtttgtt | cttggaagct | aagcaggggtt | gaacctgggtt | 112680 |

| | | | | | | |
|-------------|-------------|-------------|-------------|-------------|-------------|--------|
| agtattttgga | tggggagaaat | gataaatgct | tgagggtgata | gatatcctaa | ataccctgtc | 112740 |
| gaacattata | cattctatat | atgtaacaaa | atatcacacg | tatcccataa | atatgtacaa | 112800 |
| atataatgta | tcagtaaaga | gagggctggg | cacggtggct | cacatctgta | atcccagcaa | 112860 |
| tttggcaggc | caggggtggg | ggatagcttg | aggccaggag | ttcaagatca | gcctgggcaa | 112920 |
| catagcgaga | ctctgtctcc | acaaaaaata | aaaataaaaa | cgaattagcc | aggcgtgggtg | 112980 |
| atgcatgctt | atagtcccag | ctacttgagg | ggctgatgca | ggaggattgc | ttgagcccag | 113040 |
| gagtttgagg | ctgcagttag | cctacgactg | caccactgca | ctctccagcc | taggcaacag | 113100 |
| aggaagacca | tgtttctaaa | agaaataaat | taaataaaat | aaataaaaaat | aaaaagactg | 113160 |
| aaaagcagag | tggttaagaga | aaggactttg | gggctcaaca | gtactagcct | tgaaccctgg | 113220 |
| ctgttactta | cccacgtgtg | gataagcaaa | tgccctaacc | cctgtgtgcc | tcactttctt | 113280 |
| aacatataaaa | atagaagtaa | aaatcatacc | cacttcaagg | gtcattataa | aaagccaata | 113340 |
| gagataatgt | atataaagct | tctggaataa | tgccctggcac | acagtaggag | tttaataact | 113400 |
| ggaaaattcat | tggtgtagt | ggcagccttc | tgaatctgtg | tcctctttgt | ccactaatgg | 113460 |
| ctttgatctg | gatttggtct | aggcaagacc | tggggaaggg | cagagactga | gggcaactgg | 113520 |
| aggtataggg | tggtctgagc | ttccccagca | gagttaggct | gggaaaggct | tgggagacag | 113580 |
| accaggcagg | tgctgataag | accggaatgg | gaggctggag | cataaggcag | ttcagttttt | 113640 |
| cccaaagggg | ggtgtacaaa | acgatctcgt | atgactcctt | tatactgtta | atgttttcat | 113700 |
| tttatcgcg | actgaaaaac | aaaaccaaca | tatttaatat | atgattccaa | ggggattctt | 113760 |
| gctttttacaa | aaaatgctaa | agtaggcatt | cacatgttta | aaaattgagt | tgattttaaat | 113820 |
| tttaaaaatta | ctaagtcata | gtacataatg | tgtgagccac | agctatcccc | aaaactcatga | 113880 |
| tagcgataca | ttaagtactg | aagttcttta | aacatcaaca | tacaatgcca | attccagaat | 113940 |
| tcagctcaaa | ttctgcaatt | acacaggctg | gggttgaaac | ccagcttttt | tgctaactgt | 114000 |
| gtaaaatttag | gcaggagggc | taacctcgct | gaatctcaga | tgtctagtct | gtaaaattgaa | 114060 |
| gataatgttt | gtttttatct | cacagagttg | ttgtgaagat | tcaataaaat | cacaacatgt | 114120 |
| gaggatgatc | tggtgtgac | acctgtcacc | ccactgatct | ccagagttga | ttcggtgat | 114180 |
| caggctggct | gggcagggtg | cccctttctc | cctcaccact | ccgcatgcat | tcctcccgaa | 114240 |
| actgcacact | tggtcaaaga | ggaagacctt | tcctgataga | ggaggaccat | tcctcagtc | 114300 |
| agggatatatg | agcacctggt | ctgtcctgcc | agaatctccg | aaggagctct | cagtaaaatc | 114360 |
| acaagattttt | attgtgcatg | gtagcatgag | cctgtaatcc | cagctactca | ggaggccgag | 114420 |
| ctaggaggag | tgcttgagcc | caggagtttg | agaccagcct | gcgcaacata | gtgagaccct | 114480 |
| gcttcaaaaa | aaagaaagaa | agaaagaaaa | gaataataat | agtaataaat | cacctgtgca | 114540 |
| acgtgctcac | ttctctcttt | ggaatgtagt | aagtgtacct | aataaatgtg | atcattgtaa | 114600 |
| tcatacacagt | gagcacaggc | taaagcatct | tgactttatt | ctataagcaa | taaaagagga | 114660 |
| tttgtttttta | cagaactcat | tatgtttgtg | aaataatttt | ccaacattaa | caaagaacat | 114720 |
| tcttcaagta | aaaggaaaac | cacccatcat | tctcccaacc | ttcaataatt | ttcaattttg | 114780 |
| catattctcc | agactttgtc | aacatgaata | cttactttac | atggtcgcga | tcagtgttca | 114840 |
| tgcaaaattct | tttatcctga | ctttttataaa | caaatatgat | gttataaacc | ggtctccatg | 114900 |
| tttctgcata | ttctttataa | ttatcatttt | gtggctgcat | aatattgcat | tgactatggt | 114960 |
| aactgcagtt | ttcttaacca | tttctactgtc | tggggaaatg | gaggataatg | ccagggtcat | 115020 |
| gcctggagct | ttttttgtc | tattgcatta | tattcttaag | atcaaatccc | agcagtgaga | 115080 |
| ttagtcagtc | aaaaagtaat | aatattttca | aggctcttgt | tatattttac | tagattgttt | 115140 |
| tcagagtttt | tgacactg | tcccagagat | gtaggaacac | agacgtcatc | caaccttgcc | 115200 |
| agtgtgggt | gatggtgttt | ataaaactct | gctaatttaa | taagtatgaa | atgctatcct | 115260 |
| cacacggctt | tcatttctat | ctctttgatc | attaacaggt | tgaactat | ttcaagtatt | 115320 |
| tgtttactct | ctgcataccc | tcttggtgga | agtagtcac | cacttccttc | acctgtttat | 115380 |
| ctgttgaaat | cttgaggctt | gtttttataaa | tgtgagcgag | cacttcagag | tcaatagaca | 115440 |
| ttaattgctt | ccagccagat | ttggccactg | aggctcctga | gcagggggaat | gcatgatcaa | 115500 |
| aactacaccc | tggacagatt | aaattaattg | gagaaaaatg | gctgagaggc | agagatatgt | 115560 |
| gtcactggcc | tactgtgttt | gacccctatg | tgggggctg | aactggggca | acggcctgag | 115620 |
| tccccacta | ccagtagcag | gaggctccat | gtgtccccc | tattagagct | tgcggcactt | 115680 |
| ccatttgccc | cacctcctac | aataccccac | atacatgtac | tcactctccc | ttgcaaatct | 115740 |
| agtggcttca | accacagaa | tttaagggga | aaggaattgt | tctgtcctgt | tcacttactg | 115800 |
| cagaaatgag | aaaagcgttg | ttcacatggg | atcaccta | gaagggatgc | catccccaac | 115860 |
| ggtgcctata | aggaaatggg | ggaggggttg | agagtgtg | aaaatgcaac | aggggaatcat | 115920 |
| cagagtctct | tgccccatga | tagaggggtt | tcaaatgaag | agagtctaca | gcaactaatc | 115980 |
| tcacggccac | tctaggcagg | gottcccaat | gcttccccc | ccccacctcc | atcctagact | 116040 |
| ttaccacctc | tgctgaacac | agatgttacc | catagcacct | tgacacatga | ttggttgatt | 116100 |
| agcacctccc | acagtagact | gtgtttctga | taggtcagca | acatttgctg | agcacctact | 116160 |
| ctgcagggtg | tgccagggtg | cacaaaataa | acaaagccaa | agacaacatg | gaccctgaac | 116220 |
| tcagcaagtt | cagagtcaag | tgggataggg | aggctctctt | cactggaagg | taactccaag | 116280 |
| aaacaatggg | actcaacttt | ctaaccaaga | gaactccagg | gagctaaaa | tctgacttct | 116340 |
| ggttaagact | ggtgtggagc | ttcattaaag | aagaaaagat | tcaccagac | ttgagttcat | 116400 |

| | | | | | | |
|-------------|-------------|-------------|-------------|-------------|-------------|--------|
| agcctggcctt | tgcagctttt | aagtcattgta | acctttgatg | aagttatgtg | acctctccac | 116460 |
| ccagctgccc | ctaacacctt | gcaggggag | ggctggagtg | caaagggagg | cactgggtacc | 116520 |
| acagcctggg | aggcaccacc | ccactagtgc | aagccgggca | acctctgccc | ccaaggcatc | 116580 |
| cctagcctcc | caactgcaag | catcaatctt | gcacttggaa | aggaacctca | cctttgaaat | 116640 |
| ctagggtcaa | atrtagaatg | atccagctcc | ttgaagttct | atacagaaat | acagccagca | 116700 |
| gccaggcccg | gtggctcacg | cctgtaatcc | cagcactttg | ggaggctgag | gtgggtggat | 116760 |
| cacttgagga | cagaagtctg | agaccagcct | gaccaacatg | gtgaaacccc | gtttctacta | 116820 |
| aaaatacaaa | attagccagg | catgggtggta | cacgcctgta | atcccagcta | cttggggaggc | 116880 |
| tgaggcagga | gaattgcttg | aacccaggag | gcagagggtg | aagttagacca | agatcggtgcc | 116940 |
| attgcactcc | agcctgggca | acaagagcga | aactccatct | caaaaaaaaa | caaaacacac | 117000 |
| gcagcttccc | tccacttccc | aaccacagct | ccatctcaga | caacaagggg | cctcatgtcc | 117060 |
| atgcacatga | taattccaacc | aacatgtcta | aggcccaacc | acaccctctc | caaacatctg | 117120 |
| ccccttggcc | accctttggc | catgggttca | tgcactggca | gaaaggtagt | tcagagaaga | 117180 |
| agcccacaaa | gggcccggaa | gtccacttgg | gctttttgag | attccagggt | ccaggataac | 117240 |
| ctaagtgtgg | tctagaagag | agatgcagct | tctggggaggc | acattccttg | gtcttaggga | 117300 |
| cttcttggcc | ccatggaggg | aaactggcta | gatgaggggc | aaagcagagc | cctctaaagc | 117360 |
| acagggtctc | gggaaggact | ctttttgacc | agatctaaga | gcagcactac | ctctctgagc | 117420 |
| ctgtttctcc | atctgtaaga | aggggacatt | aatagactct | ccccgctaga | gttactctac | 117480 |
| atcagccagc | acacgtaagt | tcatgacatg | aagcaagggc | ttaatatata | cccgttgtag | 117540 |
| tataaataat | aggccaggcg | tgggtggctca | cacttgtaac | cccagcactt | tgggaggccg | 117600 |
| aggaggtatg | atcacaaggt | caggagtttg | agatcagcct | ggtgaaacct | catctctacc | 117660 |
| aaaaatacaa | aaattggccg | ggtgtggttg | cgtgcacctg | tagtcccagc | tacttggggag | 117720 |
| gctgaggcag | gagaattgct | tgaacccggg | aggcagagtt | tgcagtgagc | caagatctca | 117780 |
| ccattgcatt | ccagcctggg | tgacagagca | agactgcctc | tcaaaataaa | taaatacaca | 117840 |
| catacatata | tacatacata | catacatata | tacatacata | catacaatac | atggacaggg | 117900 |
| accctaaaaa | tgagacaggg | aaagagaaaa | acatgttctg | acaaccttgc | cctttatact | 117960 |
| aatttagggt | ttcttgccctg | ttttagaaaag | ggcctggaca | ggagccctgt | tcccctcagg | 118020 |
| ccaggcagaa | caagggtgtg | aactcactgt | ggaagggttc | tgggtgacaa | gtgcagcccc | 118080 |
| gtccctccac | ctcccagcac | agtaggcagc | acgtgtctcc | attgactggc | tcaggagcag | 118140 |
| gctgggtgac | cagtggggaga | gctgaggagc | ccagggtggg | gtctgaagga | atccctagaa | 118200 |
| aatctgattt | tccccagggg | cccacatcac | gtgccagag | ctgggaaaagt | ggaggcagca | 118260 |
| tgggatctag | ctgagaggct | ccattttttg | tagcttctag | tttgggagtc | acagagacac | 118320 |
| ctggatgata | cgaagatgta | gcttttgagg | actctctaga | acatggagtc | caagatattc | 118380 |
| ccttcaatga | tgggacactg | aagcccacag | aggagaggtc | tgtcccagtt | actcagccat | 118440 |
| tcggaggcag | agaccaggct | agaactcagg | acttttaatt | tggaccagga | ttccttttac | 118500 |
| cacagtgggc | agccctagca | agtgccagg | agggtggaac | tgtgaagggtc | atccgagggg | 118560 |
| tagtacacgt | gggtaggaag | tcatatctaa | gaactgaccc | ccagacctgg | ctctgccact | 118620 |
| cactccttat | gagaccacag | gtgctgggtg | cagtgggttc | cacctgcaat | cccagcactt | 118680 |
| tgggaggcca | aggcaggcag | attgcttgat | tccaggagtt | cgagaccagc | ctgggaaaca | 118740 |
| tagtgagacc | cccacctcta | ccaaaattag | ccaggcgtgg | tgggtgtctgc | ctgtagtccc | 118800 |
| agctacttgg | gaggctgagg | tgggaggact | gcttgagcct | gggaggcgga | gggtgcgggtg | 118860 |
| agccaggatc | atgccactgc | acaccagcct | ggatgacaga | gtgagacaga | atgacacact | 118920 |
| gtctcaaaat | aaataaataa | atgacagcag | atcatcattt | ttctttctgc | ctctagactg | 118980 |
| caatgcctat | ttctccagg | agtcactagg | ataaaagtaa | aaataaatatt | atcagcattt | 119040 |
| accaaataca | gggtcagcta | ctctgttatg | ttctttcatg | ctttgtttct | tttaagcctc | 119100 |
| aaacaactct | atgagctggg | aacaagtatc | gtccttcttc | ctcccatctt | atttatttat | 119160 |
| ttatctatgt | atrtatctat | ctattcattt | atrtatrtat | tttgagacaa | ggtccttcta | 119220 |
| agtcaccagg | gatggcctca | aacttgagct | aggaactagt | gtcaccaccc | cccaatttct | 119280 |
| tttattgatt | gattgattga | ttgattgact | ggttaatttt | gaggcagggg | tctcgctaag | 119340 |
| tcgacagggc | tggctttgaa | ctcctagtct | taagcaatcc | gcccgcctca | gcctcccaaa | 119400 |
| ttgctgggat | taccaacacg | agccaccatg | cccagcccct | cccatcttct | gaataggaaa | 119460 |
| actgggggtt | gaaaaggtaa | gcgacttgcc | caagggtccc | tccctagcta | gagagcttca | 119520 |
| gagccagggc | acaaacccat | caaagcctgt | gtctcgcgcc | attgagccac | cggacctcgt | 119580 |
| acactaaccg | ccaagtgttc | tacacagtga | agggtgacaaa | gagggtgaagg | gaagagccag | 119640 |
| ggaggttctg | tggactcact | cgggtgggtat | gcccagaggg | aagggggatc | ttgggtggca | 119700 |
| cattgagagt | agctgcgctg | ttagtaagt | agaactcgga | agtcagact | catccagtct | 119760 |
| gtgccaataa | acccctcctt | ctacctggct | tcctttccaa | agccagctgt | tctccagaca | 119820 |
| atgggggtgg | cggggggcgg | tgtcctcctc | ctcttcaggg | aaaatccgac | gctgagccca | 119880 |
| tctccagaga | tcttgcttcc | cctgggggtc | gcagatccac | ctagagccac | cagagggcgg | 119940 |
| gccagcactg | cggccaaggc | ttgaagaccc | agcacaccaa | agcccggcca | agcctccagc | 120000 |
| ccagtgtcca | agagtccagc | cagaggccga | gtcctcgatc | tcaaaatgtc | taactgcaga | 120060 |
| agcccaactc | atgttcaggc | atgatgtgtc | tgattctact | gggacaatca | ttgccaccaa | 120120 |

| | | | | | | |
|-------------|-------------|-------------|-------------|------------|-------------|--------|
| agaattactg | ccaaaatagt | aacgacatta | gctacctacc | accctccac | acaccaacac | 120180 |
| acctcatttt | accaagcact | ttctcatgcc | tggggtgcct | ggagacttaa | tgcagcctcg | 120240 |
| cgatgaccgg | gtagcctcac | cgtacagatg | aggaaactga | ggcacaagga | aggggagtac | 120300 |
| attgtctagg | gtcacctgga | gaactctgat | ctccagactc | aaattttcaa | ttcgtccccc | 120360 |
| ctccccccaa | ccctaaccgg | agctaggtgg | ggtggggaca | gcaaagtgtg | atggggggag | 120420 |
| gtaagagggg | tcagagtgtc | ctacagagaa | gaccaaatgc | attgtggcac | ctactgtaaa | 120480 |
| atgagaccag | ccagccaccc | acccaccagc | cagccaccta | aaagtcttca | gtgggcacct | 120540 |
| gctggaaaca | cgacaatgga | tgacacgagt | tccctgccct | caaaaagctg | gtagtctagt | 120600 |
| tgggggtgga | gggggtgagt | cagcagataa | ttatgggaaa | ccgtgacacc | tgtataaggg | 120660 |
| gcggggatga | gcagaggggc | tgcgactgcc | tggagccagg | gattcccggg | cggggcttcc | 120720 |
| ctttcctcgc | agctcgtccc | aggaggagga | gtccccccc | agcttcgggg | ttccgcctgc | 120780 |
| cttgggggcc | cgggggtcccc | tcccacccct | ccccgaagag | cgcggggccc | gggaaccgat | 120840 |
| gacagcacac | ctgagtcagc | ccgccgcccc | ccgccctctc | agcgtctgtc | ttccgcattct | 120900 |
| gtgatatttc | gctccccggg | agccagcccc | actgcgctcc | ggaggcagct | cggcaaacaa | 120960 |
| accagcgcac | agattgtgcc | gcggctcatt | ccggggaagg | acgccaaacc | ccaccctgct | 121020 |
| acccccaaaca | ctccctcccc | gccgcgcgct | ccaggccctc | cccccaggcg | caggccctag | 121080 |
| tcgggggtggg | tcctggggaa | acgcaggggtc | ctgtcctgcc | tcctggaaat | agggggagcc | 121140 |
| ctgggtgagg | gaagacggga | gccccagaga | cttttctttc | tgtttctacc | tgatccgaaa | 121200 |
| acgagagggg | cgggaaagga | aatttagggg | cacagagagg | agctgggggg | ccgagaaggt | 121260 |
| ccgaaaatgg | aaccagcagg | gggcacccga | gagccgaggt | gcccacgggc | cgggagcctg | 121320 |
| ggaatgaaac | tggggaagag | ggggagagaa | agggaggcag | agacaccgag | acacacagag | 121380 |
| acgagagaca | gagacgcagg | gagccccgcg | gggaggagga | gagagacgaa | gacagacaga | 121440 |
| gacagtgaga | aagacagaag | accgggcagg | gaaacagacg | agtagagaca | gaaaaggtcc | 121500 |
| gagagagagt | gagggagggg | gggaacagag | agacagagac | cacgaaatat | gagtaagagt | 121560 |
| cgggggagaa | aaccagagaa | atcgaatgag | aacgcgagaa | gaacgagaga | ccgtggaggg | 121620 |
| agcagagaat | gaatgggaag | aataagacca | acatttatca | agagccgact | gtatgccagg | 121680 |
| cactgcattg | gaccctggca | cggataggaa | aggaggagcc | gcggcgcggg | cagcggggcg | 121740 |
| aggggcttct | gtgctcgcgg | gagcggcagc | ccagggggct | cagcagcccc | ggcaccgccg | 121800 |
| cacctgcggc | tcacgcagcc | ccaacccccg | cagcgtgcc | tggccaccgt | acccgaagcg | 121860 |
| gctccccga | ggggcccgag | cctatcctac | gcccggggcg | ctccgcggac | gcgcggggcc | 121920 |
| gagtcaagac | ctgggtcaac | cgccctgcag | cccttgtagg | gaagtgccta | ggtgatgggt | 121980 |
| ctgtctgatac | cgctctgtac | caggccatga | agggccagag | gggctccagt | gagaccataa | 122040 |
| tcggcccttc | tttaaaaggg | ggtagaggaa | gttcacgcga | agccaacagt | cttctcccca | 122100 |
| gctttgggtc | ctctcctgca | cccccgcggg | agataagggtc | ttccctcccg | gacacatcat | 122160 |
| acatacacia | aaaaacgcac | acactcgcac | gcgcgcccat | ctcgcacccg | cttgtaaattg | 122220 |
| cactaagggg | catacacaca | ccgggcacat | atttctttcc | acccatcccc | aagatcgcaa | 122280 |
| gcgcaaaacc | tcgcacagcc | tcacgtttcc | caccagctca | gacatgcacg | ctggcggact | 122340 |
| ttcagcggct | caccctgtgtg | cacactcacg | tgcccccccc | cccgttcccc | caagcccgtg | 122400 |
| caaagggtaa | cgggcaagca | tcctgagtca | cactgcaca | agcatccttg | cgcgcagctg | 122460 |
| cacgctcata | tgcactcgat | cttgacgcga | caaactcttg | catatactat | tcttatagtc | 122520 |
| gcacactggg | cttgaggtct | gggagtggaa | ggaaaagtgg | aatcttggag | ctgtcccagg | 122580 |
| ggacagaaat | gctggaggct | gggacactgg | cgcgagggac | gcggctgggg | gcggggggag | 122640 |
| gggtgacca | gaagctcatc | ttctcctgga | aagttgggag | gggggaacag | gacaagtcca | 122700 |
| cggcgtttct | ctaaactacc | gcattcccc | aagaagggat | ttctctagaa | gagtggcgcc | 122760 |
| gcgaggacga | tcgaacacag | tcctccgggt | cgtttaagcg | ggggggaggg | gggcgggggtg | 122820 |
| gaggggggta | gaaagccgct | ccgcctcct | agtggctcag | aaaggggtta | gtcggcaagc | 122880 |
| cagcaaacga | gggaggagcc | agcagtgcg | ggaaggagtg | gggggtggtg | ggaagagctt | 122940 |
| cctcgtctgc | cccactctcc | ctcggctagc | agcctggggc | cacggacaga | cggactgacg | 123000 |
| gactctcgag | cggacagcgc | agctagcggg | gcgcggggcg | tgggcgtcga | cggccagccc | 123060 |
| cagccttccc | cgccccgtcg | cgccccgccc | cgtcccgtcg | gggccgatgg | ctcctcccca | 123120 |
| ggccccgcagc | ccgggcggcg | cagggtagag | cgccgcggcc | cggccacgca | gcccggggac | 123180 |
| tccccggccc | tcgccggagcc | ccgcgggggtc | ccgcctgtgc | atccggcggg | ctcagggagc | 123240 |
| gagtgggagc | gcccctcccc | cgctgcccc | tcccccgagc | atcgagacaa | gatgctgccc | 123300 |
| gggctcaggc | gcctgctgca | aggtaagaac | gccagcggcg | ggagagcgga | gggcatcctg | 123360 |
| gggagagaag | cagggcgctc | cctctttcag | ggattgaggg | tggggcagtt | ggggaggtgg | 123420 |
| ggtaacctgg | ggaaggggaa | aagctcagcg | ctggggcgcg | gcccccgccg | ccagggctgt | 123480 |
| tctcagcagg | agggcacttg | gctgggagcc | cgcgggcgcg | tgcgaggagc | tcgtgaccga | 123540 |
| ggtgggacgc | agggggcagg | tggaccggc | ccggagcggg | gagggaggct | caggttccgc | 123600 |
| tgtccccgct | ccacctgctc | cgggggacgc | tgaggactcg | ggccgggctg | ggaagcgccg | 123660 |
| actcagcaac | tcctcctgcc | cggtgcctca | gcactttctg | gccacctggg | aagacaggag | 123720 |
| atgtgggtag | ggggctgtct | ggggaggtag | gaggcgcaga | gggaaatcca | agtggccttc | 123780 |
| tctggtagga | gagatggagg | gcgctagaaa | gaggatagtt | ctactgattg | agtgcagat | 123840 |

| | | | | | | |
|-------------|-------------|-------------|-------------|-------------|-------------|--------|
| aaggggtgtgg | gccagagact | gggggtgggg | tggggagggg | tcagggggag | agggatagga | 123900 |
| aggagaactc | aaagatggag | aaagtgggtga | gggaagctca | aaggaggagg | gagatggagc | 123960 |
| gggggagggg | gagaaggaat | aaagggttaga | tgggaaaagc | gtggagggaa | gtgggaccca | 124020 |
| ggtgaagacc | aaggaagagg | gaaggagagg | aaagaccaga | tcagggggagg | gatgggaaga | 124080 |
| agactatgga | cagggaccca | gaatcctggg | atggaggttag | cgggaaagag | aatcaggact | 124140 |
| gggaccctgg | ggactggaat | ggaaaaggag | aatggaaaga | tcagaaacca | gagaaggatg | 124200 |
| gggatgggtga | ctagagaagg | ggtatcagga | accggcgaag | aggggttgag | acagggaacc | 124260 |
| atggatggga | gaggggctgg | agaggagggg | agaggagggg | gaagagaaaag | gctgagagag | 124320 |
| agggactggg | gattgggggt | gctgcccagg | gatgagacaa | agaggcttct | ggtaaccact | 124380 |
| tccacgtggg | aagccctcca | ttcccaaagc | gcctgcctgc | cacatttctt | ctctcaggga | 124440 |
| gtggctgggtg | ggccagatgg | gggggtgcttt | gagctcaggg | ccctgggggt | ggctgtgagg | 124500 |
| gacagagggt | gaggactttg | gaaggggagt | gcagcctcc | gaggggtgggc | aaacaggctg | 124560 |
| gctcctgtgc | tgccatttat | ttatccggcc | cggacgttgg | attctgcagc | cgctgcgcgc | 124620 |
| accacgggtg | ctgcttattt | tgggggtgtta | cattctggca | gagtgagaag | ctgtttgcag | 124680 |
| cagctctaaa | cctccgtcac | ccgcgtcagt | gcctccccag | gcccctgcgt | cactggcatc | 124740 |
| accaccacct | ccatcccact | cctcagctcc | cacctcctca | gcccctgccc | cctcagcatc | 124800 |
| tgcccgagg | ccccagccct | tccctgaagc | agcccgttgg | gtgtggagcc | cttgcttctc | 124860 |
| gtctgggacc | ctgtgcccct | ccttccagag | cgagaggcct | ctgctgcctt | tccagggagc | 124920 |
| atccttttct | gggaccactc | tgcaccagcg | actctgccct | gtgggtgggt | agcctggatc | 124980 |
| ctgcccccta | ctttgggtcc | agttttcttc | tcctcaagtt | ccttcttcta | caggggcctc | 125040 |
| cggcccaaag | agtggcctgt | gggctgagaa | ctttgtttct | gagccttggt | actccaaggt | 125100 |
| ttgatagcca | gagtccctga | cagtgtgtccc | tcagtgaaca | gatacttttg | gctctggaca | 125160 |
| cttcagcctt | ccgggatcaa | taccatgttc | tggcctctct | tggctccctc | ccctggtcag | 125220 |
| ttctggccat | atattctgga | caggggtcat | ctcttcttga | ctcccacatg | taatcactac | 125280 |
| tctagaacaa | ccgcaactgg | aagcctagga | ggtgaaagtt | gcagagagag | ctggagtccc | 125340 |
| ttccttgctc | tgaccctgaa | tagccaaaca | gactcagcat | tgtggctggc | ccagccctag | 125400 |
| gcacctgggt | gcaattttct | tcctgtcttt | acctcaaggg | cagtgtctca | cacattcagg | 125460 |
| cgtggtttct | gcggaggatg | tggccacctc | ttaaagaaaag | atcagagtgt | ctctctgaca | 125520 |
| tgggcttgat | gtccctcttt | tccaatctgg | gttccacctt | gtactagctg | catgacctga | 125580 |
| ggccactgtg | tcattgtttct | ggggctccct | tccttcatct | gcaaattggg | ggccacataa | 125640 |
| ttgacctcca | ggggatttat | tgtgttgtgt | tcaatgtata | aagaagttaa | cctgtacaaa | 125700 |
| tgcagtgcct | aggacaaaat | agggtcctct | tggtttccct | ctaccctgct | gtactctccc | 125760 |
| ctgcagctct | agccatcccc | tgctgacttt | agaggagggg | gtgagcagag | aggggtggggg | 125820 |
| aggctgctac | aaagggtctt | cctctgtcca | tgaagttagt | gagggatgaa | atgaaggctt | 125880 |
| ctgagaaaga | caatgaaggc | gagctgtaga | gacctgggtc | ggaggcctgg | gggtgctcaga | 125940 |
| aactcacact | ttccctcccc | agccctcaat | gggtgtacct | atgatgtgag | gggtcggctc | 126000 |
| taggtggcca | ccgaggtatc | cccctttcca | gctctgatac | tctgtgcatc | ttgccccagt | 126060 |
| ctccaccggg | aattcacaaa | atgaaggcca | ggagtggagc | cgtggtcctc | gggagagaca | 126120 |
| ggaggcctgg | gcctggaggg | aaggagtggg | gggtgctgag | aggagtgaga | acaggggggtg | 126180 |
| gggaagggac | gtggcaagaa | agaaaagggc | acacactggg | cagggcaggg | actgagggcg | 126240 |
| ggggagagag | ggaaaggcac | agctctctag | ttccccaacc | ccccagtccc | accacctctg | 126300 |
| ccttggaagt | ctcgctccag | cccagcagg | cctggggcag | tgaagcccag | agccccctcc | 126360 |
| cctccccctc | tccttgccct | cagtgagagc | cgctgcgtga | attatggatg | agctccttgg | 126420 |
| gttacagctg | ctttgcacgg | cagtggcaag | ggccagaaat | ggcaacagag | tcactgttat | 126480 |
| gcagcagctg | ttatggagga | gccccagca | ccgggtcgct | cttcagagag | cctgcaggga | 126540 |
| ccactatcat | gggctggggg | agggtagccc | tgggtggggg | agacatggga | acaagatgga | 126600 |
| aggagagtgg | ggaaagagaa | gagaagtagt | ctaagtgggg | caggtgggga | gcaggagagt | 126660 |
| ctagggagag | aaagaggagt | aggcaccctt | gccagctcct | gcagagttaa | ccctcaaggc | 126720 |
| cgaaggaac | cctgatgcca | ggggaatggg | ccttgccctc | gagattgcac | atccttccct | 126780 |
| ctgtctctcc | tggggcagcg | gtcagtcagg | aggctggggg | aaagctctgt | aatcctccag | 126840 |
| gggtctagcg | ccatcagggc | tcacactctg | gtgagcttgt | ggataagggg | taggattaag | 126900 |
| ggatcagaga | aggatttggc | ttcttttggg | gtcaagtcct | tagggaagtg | gagatcagag | 126960 |
| ggtgactctg | acaggaaggg | aagtgccttg | gctgggcatc | aagagacttt | tctggccctt | 127020 |
| tccttgccaa | cactttgctg | tgtgaccttg | ggtaagtcgc | ttgctctctc | tgagctccag | 127080 |
| tcactacctc | agtagaactg | atgcttgaac | cagaggaatc | gaggggacct | ttgcggcttt | 127140 |
| gaaatctcca | gttctaagcc | ccaaacctca | accctcatga | aacctactca | gggtccccac | 127200 |
| tgtgcttcca | cactccacct | ctgcctgggt | cagatgaggg | gtaagagaca | ttgctcctcc | 127260 |
| acccacagtg | ggtctaagaa | actcgggagg | agaaagtaat | cgtgaaacgc | cgcacggggg | 127320 |
| aggggtgaga | agggccgaga | aacgcggagg | tgggtgtaac | gaatggaaca | gcagccgctg | 127380 |
| tgtcactgag | tattacatca | caccagcct | acacacgcac | ggggccccggc | gctcacacac | 127440 |
| acgcggagga | cagccagcac | gcaccgacgc | agcaccgacg | cagcgccagg | aggggcccggg | 127500 |
| gacactcacg | gtggggccca | aaagcgagga | gcagcacact | gggagtgtgg | atcttccacc | 127560 |

| | | | | | | |
|-------------|-------------|-------------|------------|------------|-------------|--------|
| ccgcacctgt | gtgctccccc | ctctggagga | ggaacaccag | ggcagctggg | atgccagcgc | 127620 |
| cacactcggg | gcctgtcagt | cccatgcgtg | cacacctggc | tgagcagcac | tgcatttggt | 127680 |
| gagcacctgg | ctcacgccac | tacccaaaat | cacagataca | tacacacatt | cacgcacacg | 127740 |
| gcaacctcag | gagcgtgaca | caacacacac | aaaaccacca | ctaagcaagt | gcaatttgca | 127800 |
| gccttgga | ccccacactc | aaaatcacca | accctcagt | ctctcccagg | gtctctgaac | 127860 |
| cccaaggagc | cccaggatgt | cagagtgcag | aaacaagtct | tcctcccctc | tgccttcaaa | 127920 |
| agcctaggac | gttgcttgaa | gcagaagggtg | ttcagtcact | gtgtgcccag | ggaatgactg | 127980 |
| cctggctttg | ggggtgcagg | ctcccttttt | cccaggcaa | aactgccaga | agaaaatccc | 128040 |
| aggagtcacc | tggaaatcat | aagaaagtgt | agaggccaag | ctagttccgg | cctagaactt | 128100 |
| tatcagctat | agtgcaggca | aaggccaggg | atgatgggag | gccctgcacc | cctattaaaa | 128160 |
| tatgagtaca | gacacctgca | ctccactctc | tagcccccag | gctctctggg | cctgcttttc | 128220 |
| catcagtatc | ataataagga | tggatcatat | ccaaccttca | aaagttactt | tgggggaaaa | 128280 |
| aaaaaaaaaa | gctttggctg | gatgcggtag | cttatgcctg | aaatcccaac | actttggggag | 128340 |
| gccaagggtg | gaggattggt | tgaggccagg | agtttgagac | cagactgagc | aacatagcaa | 128400 |
| gaccccatgc | ctacaatttt | tttttttttt | tttttttttt | tttgatacag | agtctcgctg | 128460 |
| tgacccag | gctggagtgc | agtgggtgcga | tctcggctca | ctgcaagctc | cgcctcccgg | 128520 |
| gttcacacca | ttatcgtgtc | tcagcctccc | aagtagctgg | gactacaggc | gccccgccacc | 128580 |
| atgcccggt | aaattttttt | tttgtatttt | tagtagagac | ggggtttcac | cgtgttagcc | 128640 |
| aggatggtct | cgatctcctg | acctcgtgat | ccaccgcct | cagactccca | aagtgcctgg | 128700 |
| attacaggcg | tgagccaccg | cgcccggcca | aaaattttta | aaaaattagc | tgggtgcagt | 128760 |
| ggcacggggc | tgtggtccca | gctcctcagg | aagctgaggc | aggaggattg | cttgagccca | 128820 |
| agtgatccaa | gctgcaataa | gctgtgatcg | taccactgca | ctccagcctg | ggcgatggag | 128880 |
| caagaccctg | tctccaaaag | aaaaaaaagaa | agaagttttt | aagtaactgc | gaatgaggag | 128940 |
| agcctggggg | gtaaaatgca | gattcccagg | ctgtccccc | aggaattctg | catagttcct | 129000 |
| aggactggct | ggtggcctca | cttagagacc | cgacccttaa | ggccctccc | ggcacaaaaga | 129060 |
| ggctctgact | ctgcaagggc | gaaaagtaca | ggaaagtaag | ggcactgggc | accagtgggc | 129120 |
| tggcaagacc | agaccccaga | gtgagtccat | ttcacacggg | cctcagatct | ccaaaggggtc | 129180 |
| ccaagtact | tccagtcatt | ctccaatggg | gtgactttgc | ccccaggggg | acatttgcca | 129240 |
| atgtctggag | acattttggt | tgtcacaact | ggaggcaggg | tgctgctggc | atctagtggg | 129300 |
| tagaagacag | agatgctgct | aaatgcctta | tataggctg | ccccacaac | gaggaacat | 129360 |
| cgggccaac | tgtcaatac | gaggcagaga | aacctgacg | ttagtctttt | cagattaatc | 129420 |
| ctagacaag | gtcaaacatg | caatagtga | aacaggaatg | aagagatgat | cattcttcaa | 129480 |
| ccaatttgca | gtgctttcta | caatggcctt | ttggcattat | tttttaatat | atgagaagcc | 129540 |
| tcagaaagtg | gaagtggcca | ggccacttga | ggctataacg | ttgtccctg | agccccaga | 129600 |
| catgggagca | ccagggtctc | aggcctttat | ttttattttc | tattttttcc | cctgaaacag | 129660 |
| ggtcttggtg | tgttgcccag | gctggagtgc | aagggtgtga | tcgttgctca | ctacagcctc | 129720 |
| aaactcctgg | gttcaagcga | tcctcctgcc | tcagcctccc | aagtagttgg | gactacaggc | 129780 |
| acatgccacc | atgcctggct | aatttttttt | ttttcttgt | aaagacaggg | atctccctta | 129840 |
| tgttgcccag | gatagtctca | aactcctggc | ctcaagcaat | cctcctgcct | tggcctccca | 129900 |
| aagtgcctgg | attacagggtg | tgagccacca | tattcagccg | ggtctaggcc | ttttaccaag | 129960 |
| ttgggggggt | agccccagc | tggcactcct | gccctggaag | cccacctagt | aagtctctgct | 130020 |
| tccccctccc | acagctcccc | cctcggcctg | cctcctgctg | atgctcctgg | ccctgcccct | 130080 |
| ggcgggcccc | agctgcccc | tgctctgcac | ctgctactca | tccccgcccc | ccgtgagctg | 130140 |
| ccaggccaac | aacttctcct | ctgtgccgct | gtccctgcca | cccagcactc | agcgactctt | 130200 |
| cctgcagaac | aacctcatcc | gcacgctgcg | gccaggcacc | tttgggtcca | acctgctcac | 130260 |
| cctgtggctc | ttctccaaca | acctctccac | catctaccgc | ggcactttcc | gccacttgca | 130320 |
| agccctggag | gagctggacc | tcggtgacaa | ccggcacctg | cgctcgctgg | agcccgacac | 130380 |
| cttccagggg | ctggagcggc | tgcagtgcct | gcatttgtac | cgctgccagc | tcagcagcct | 130440 |
| gcccggcaac | atcttccgag | gcctggtcag | cctgcagtac | ctctacctcc | aggagaacag | 130500 |
| cctgctccac | ctacagggtga | gcctgcctg | ccccaccct | cagccctttt | ctggtttctc | 130560 |
| ctctctgtgg | gccccctctg | tccccgaccc | tggcgtgcgt | ccctcctctc | tccccaggcc | 130620 |
| acccttctctg | cctcagcatc | tccattttctc | tctgtctatg | tctcttttct | ctcttacatt | 130680 |
| ctccaggggc | tttacttttt | cccttctgcc | tctctacctg | tttaggtccc | ttgctgttcc | 130740 |
| tctctctctc | tctccctcta | actccacaac | cttcacctct | ctgcctctgc | ctgtctgtct | 130800 |
| gtctatccct | ttccatccat | cactgcctct | ctcactaact | tgccctcccc | atctgtcttc | 130860 |
| tgcctcttct | gtctgtctcc | cttcacacac | ccactccgca | tacaccccc | tgtctgtctg | 130920 |
| cgtgtgtgta | tctgtctctt | tctgtgatct | cacgtgtttg | ccttcagggg | actctgcctt | 130980 |
| ccccagggtg | cccttgcccc | aaggcctttg | cagctgtttt | tctcaccac | cctcaagtct | 131040 |
| gcccacatga | cggtagagta | gagagagaag | gcagagccac | agccactggc | atccccaga | 131100 |
| aagttgcgct | tctctccaat | tactggggca | atgggacggg | agaagcccac | acccttctta | 131160 |
| gattcccat | ttccaaacct | gtcatctcaa | tgcaggggaa | gaaagaaaag | ggtaaatctc | 131220 |
| tgttatgcag | ctggagaatg | gatgctctga | aatggaagg | aataccagta | attgttatctc | 131280 |

| | | | | | | |
|-------------|-------------|-------------|-------------|-------------|-------------|--------|
| attgttatta | ttattgatct | aattattggt | tattgttggt | atgctgactg | tttgacacgc | 131340 |
| aaatcatccc | actccatttc | cccaggaagc | aataacacac | cctccaaacc | accctgagag | 131400 |
| aaaatcttcc | cttggtctaca | gagcctccgg | ctggaagggg | gtgaaaatat | ccaaattctg | 131460 |
| ccctctccct | acttgaacct | ggaacgtgct | tcctctgcct | catccagggc | tagtgcctaa | 131520 |
| ctagtattca | atctgctagt | tggaaaatca | ggtcagtgtc | gatgatgcta | atgataataa | 131580 |
| caatagccat | aacaacctaa | caaacatact | gagcaccac | tacgagctag | atgctaagaa | 131640 |
| tacagttagt | aacagaacag | accaaaccac | ctgccttcac | agagatacca | ttcccatgag | 131700 |
| gagggaaaga | agtaaaatgc | acggtatatt | ggaaaaatat | gtcttatatt | attcttattg | 131760 |
| ttgcctaaat | agtgcagta | atagcagtag | ccgccaccac | ttagtgggta | cacaggggtca | 131820 |
| gccacagtgc | caagcacttt | ataggtatcc | actctgccat | ttacaagcgt | gtgacatttt | 131880 |
| ttttttttac | ctcctcagac | ctcagttttc | tcatctgtac | aatggggtag | caagagcacc | 131940 |
| catctcctag | ggattttgaa | agcattaaat | gcatgaataa | tttgtaaagc | acttagaata | 132000 |
| gtgcttggca | tacggtaagt | gctatataaa | tgcttggttaa | aatactattt | taaaaaaaga | 132060 |
| aacgagcctt | atttaacatt | ggtttcagt | aagtggccca | acttggactc | catcctgaag | 132120 |
| atgtgggtca | acttcaagga | ttatactaag | gtcatgagt | agtcccagaa | attgcacctc | 132180 |
| acagtttatg | aagtgcactc | agccacctca | tctcatttct | acagcccagt | tgggagatta | 132240 |
| ttttcacctc | cttggttaaca | atggagaagc | tgaggctggg | ggccctgaag | accctataga | 132300 |
| gatatagtca | cctccaatca | taaattctttt | caaccattgt | cgggtgtgacc | ggaggttat | 132360 |
| gtcttctcac | catcatgttg | agcctcacia | caacctgggtg | atagggacag | ttaggggcac | 132420 |
| tagggacatg | gaatgaatgt | tcctgaggcc | acacaccag | gaagagctgg | cgcttgaacc | 132480 |
| tcatggctctg | gttacaagg | gacagtactc | tggagtacaa | ttgagcaggc | tcatttttga | 132540 |
| aagcacacag | tttggaactca | gcaagacctc | ggttcaaate | ctggctccta | tatatatgac | 132600 |
| tttggaacaaa | ttacttaacc | tctctcagtc | tcattttcct | catctctaaa | atggcaatca | 132660 |
| ggatagtact | taataataat | cttttttttt | tgagacgacg | tcccactcta | tcgcccaggc | 132720 |
| tggagtgcag | tagtgcgac | tcggctcact | gcaacctctg | cctcccaggc | tcaagtgatt | 132780 |
| ttcctgcctc | agcctcctga | gtaactaaga | ttacaggcat | gtgtcactac | accagctat | 132840 |
| tttttgtatt | tttagtagag | aagggtttca | ccatgttggc | caggctgggtc | ttgaactcct | 132900 |
| gacctcaggt | gatccactca | cctcggcctc | ccaaagtgtc | gggattacag | gtgtgagcca | 132960 |
| ccatgcccag | ccaataataa | tccttatatta | agaagttttg | taaggattaa | aatgtaaggc | 133020 |
| atthagcaca | aggattaaaa | tgtaaggcat | ttagcacata | tgggcactat | aataataatt | 133080 |
| actactacta | ctactactaa | tactgagatc | aaatactact | acaaattgat | catgcattta | 133140 |
| atgctttcaa | aatctcctta | tcaatatata | ttagtatttt | aggaggaatt | tggagtcaga | 133200 |
| gggcctgagc | ttgaatcccc | gatctactat | tttctgactt | atttaacttt | aagcaggttg | 133260 |
| ctaaccctct | ctgaacctca | cttactttat | ctgcaaactg | ggaataatga | aaataatacc | 133320 |
| ttccaccaag | aatggctgta | aataggaaac | gagttagtgt | atagaaagcc | catagttcag | 133380 |
| gctgggtgtg | tggcccatgt | ctgcaatccc | agcacttcgg | gaggccaagg | tgggtggatc | 133440 |
| acttgaagtc | aggagttcga | gaccagcctg | gccaatatgg | tgaaccctg | tctctactaa | 133500 |
| aaatacaaaa | attaggcagg | cggggtggca | ggtgtctgta | atcccagcca | ctagggaggc | 133560 |
| taaggcagga | gaatcacttg | aacctgggag | gtggagggtg | cagtgaagtc | agatcgtgct | 133620 |
| actatactcc | agcctgggtg | acagagcaag | actctgtctc | aaaaaaaggaa | aaaaaaaaaa | 133680 |
| aaaagcccat | agttcagtc | tgaagaaatg | atgttattat | gaccccatcc | tcatttgact | 133740 |
| ctcaggccaa | caacagcaat | caggacctga | ggtcagcaaa | ggcttgggca | gaggggacct | 133800 |
| caggtggaca | ttggggtctt | ctgaaatggg | aagtgtttgt | tctctacgcc | cctggcatga | 133860 |
| atggtaccag | gcatcatggg | aaggaagcaa | cttcacacct | ggccttttat | agaggagatg | 133920 |
| gaaaacacag | cctctgcctg | tgaactgcct | ggtagggctg | ggctgggaga | tgccacaggc | 133980 |
| aggtgaggaa | acatgggctg | gggtgagatc | cgcagggtgc | aggtgtgacc | caagatggag | 134040 |
| ccaggcctgc | cccaaagggg | agctttggag | gaaactccac | cagaggacca | cagcttttca | 134100 |
| gaatggggaa | gggccaggca | ctgtgccagg | tgagttcatt | catcaacaga | tatttactga | 134160 |
| gtatctacca | catgccaggc | aatgtttccag | gtgccaggga | ttcaggagag | aacagaaaca | 134220 |
| gtggccctgt | tctcccagag | catattccct | actcaagtgt | agccagatga | taaagacact | 134280 |
| tgttttcttt | cttttttttt | tttgagacga | agtctcgctc | tcttgctcag | gctggagtgc | 134340 |
| agtggcacga | tctcggtcca | ctgcaacctc | tgctcccag | gttcaagcga | ttctcctgcc | 134400 |
| tcagcctccc | aagtagctgg | gattacaggc | atgtgctacc | atgctgggtc | aatttttgta | 134460 |
| tttttagtag | agacggggtt | tcaccatgtc | ggccaggctg | gtcttgaact | cctgaccaca | 134520 |
| ggtgatctgc | ccaccttggt | ctcccaaagt | ggttgattac | aggtgtgagc | caccgcaccc | 134580 |
| gccgacactt | gtttttctct | tcagtcatta | cagtggcctg | catggttttt | gtttgttttg | 134640 |
| ttttgttttg | ttttgttttt | tgagacagtc | tcactatgtc | accagctgg | agtgcagtg | 134700 |
| cgcaatcttg | gctcactgca | gcctcacctc | ctgggggtcaa | acaattcccc | catcttagcc | 134760 |
| tccccagtag | ctggaactac | agacatgtgc | accatgttcc | agctaatttt | tctattttat | 134820 |
| agagacgggg | tttcaccatg | ttgccaggc | tggtctcaaa | ctcctgaact | taagcaatcc | 134880 |
| acccgcctcg | gcctcccaaa | gtgctgggat | tacaggcatg | agccaccgta | cacagctggc | 134940 |
| ctgaatggtt | taaaaatagt | ctttatgtct | aagcagatca | gatctcagtt | tgaattccag | 135000 |

| | | | | | | |
|-------------|-------------|-------------|-------------|-------------|-------------|--------|
| ccacacctct | aatttgctct | atggctttgt | gcaagttatt | taaccactct | gagcctcgat | 135060 |
| ggacccatct | gtgaaatggg | gataacctgt | accttggcga | gcaggggttg | tgaggattaa | 135120 |
| aggagatact | actgagctca | cagcccaatg | tctggtacaa | agtgagtatc | caatgaatgg | 135180 |
| tagctatcca | ttaacaccag | ggaggacacc | aactgaagct | cagcaaaata | aaagcacagt | 135240 |
| ccaaggtcac | ccagctagta | aggaacatga | cctagaattg | gccaggtct | gtctgactcc | 135300 |
| agagtgcagt | tgttcagagg | tctctggagt | tggaagccac | gttccactgc | atattagctg | 135360 |
| ttggacccta | ggcgagtcac | ttcacttctc | tgaggctcca | tctcgtaatc | tctgaaatgg | 135420 |
| agataataat | agtatccacc | tcataggggt | gtgacaatta | agttactata | taggatctgt | 135480 |
| gtagcacaga | gcttggcaca | tggttaagagc | tcaatcagtt | acctgcttga | caatgctgac | 135540 |
| gccgatgatg | acgatgatac | ccatcctaga | ctgatgagct | ctgtaagcgg | gggtgcctgg | 135600 |
| cacagagtag | acactcggtg | cagctctgtg | gaatgaatga | ggcacatccc | agaactcacc | 135660 |
| aattcataaa | aatcagatgc | agatgggagc | ttaaagatca | cctatcctaa | gtcccttggt | 135720 |
| tcacagatga | aaagacccag | gcccagagag | gtgcttggag | ctgcgcaagg | tcacacagcc | 135780 |
| aagcagctca | tttgattagt | gtcagagcca | agagctggga | gtttggaggg | aggcaagggt | 135840 |
| aagaacagga | tgctgtcagg | gaagcaggca | gggatgctgt | gttaagattc | caaatggatg | 135900 |
| cagagagctg | tgaaccggcc | agtggggagg | caagggaat | gtggtttttg | aaatggaaga | 135960 |
| ggatgacttt | agcagaggct | ctcagcccag | agggagggga | gatagggagg | ggagataggg | 136020 |
| aggggagggg | ggagggctag | ggctgtgaaa | gtcaagagct | tattaatgca | tagagaacgg | 136080 |
| ttttaacagt | ggagagagga | aggaccggat | ttgaaagcta | cattcaagga | agtggcaacg | 136140 |
| ggatttggca | acagcttggg | tggggggagg | aggcaatgga | ccccaaggca | gaggctcaga | 136200 |
| gaagggaggg | gcaggacttt | ttgcagagaa | acaaaaggag | aggagaggag | gttagaatca | 136260 |
| agaaattctg | tggggcaaaa | cctggggctg | tgggtcaaa | gcacctgaat | tccctaggat | 136320 |
| ctctggaact | ttggtctact | cttctgacct | cccaggtctc | cccaaatgt | ggattacccc | 136380 |
| tgctcactct | cccccaaccc | ccggccctt | atcgatcctc | tgaccataca | tctctgggtg | 136440 |
| tgctcactct | ttgctgacac | ttcataaaaa | gaggaacccc | atttaggtgt | tttgagtggc | 136500 |
| agggattcca | agcctacccc | ctggatgggc | ctggaagaga | acaagagcac | caggccatgg | 136560 |
| tgagtccagg | tgaggccagg | gaggtgcaag | gagccagctg | gaggcctgag | ccaggatttg | 136620 |
| gggtggtggc | agcagggggc | ggagaatggt | ggtgtcagag | gcagccgaga | aggttgaggg | 136680 |
| ggacggatct | caatgtggcc | aagaggaggg | ctcttggcac | gctcagttcc | tgtagcgaag | 136740 |
| agggcggaag | ccagatggga | ggggggcaga | acaggcagga | gcacaggaag | gtggaggctg | 136800 |
| tgggtgtagg | ctgggagtca | atgccctccc | ccaacctgag | gcctccgacc | aggctcctgg | 136860 |
| gtggcaggga | tggggaggaa | agcgtctccc | caggcagtga | gggagggaga | gccacagtca | 136920 |
| gggaacaggc | cccctgggtg | aactggcctg | agcagagtgg | atgctcctgt | tctgagaccc | 136980 |
| agacctcctg | gaacctgctg | accacagtga | tgccctgcac | aagaggggag | gacctcaagg | 137040 |
| cagtgaggtc | agggagctga | agtccctgct | ccctctctgg | caagccctta | tctctttgag | 137100 |
| ccccagtgct | ctcctctaaa | aaagtgagct | gggctgatgg | gtgccaaagg | attagctccc | 137160 |
| aagtcagctg | atcatcagaa | tcccctggtg | agctggttat | aatgcagagt | ccaggaatcc | 137220 |
| ccactggccg | tggggccacac | acaccgcg | ccccccgctg | ttaattctga | accatagttc | 137280 |
| caaggtcctt | tctgacttaa | tgtggcctga | ttaggtgact | ccctagcacc | aggcaggtgg | 137340 |
| gacagcgctt | ctaaggggag | tagtaatgca | atgtgcttcc | cttctctccc | tcccctgccg | 137400 |
| cctctggggg | tggagctgat | gcccctcacc | ccaataccca | gcctagtagc | agtactttgg | 137460 |
| ttccccagg | gagctcctct | tttaaagaaa | agggacagga | cccaattggt | actgagcccc | 137520 |
| tattgtcata | gtagccacca | tttattgatg | gttgactatg | cacctgccag | atactgtacc | 137580 |
| cttaacagca | tttatcatcc | aacctcctt | tagcctgctg | aggggggttat | acataataag | 137640 |
| gaatattgta | catactgagg | aacctgagac | tccatgaggt | taaaacttgc | ctaaaataac | 137700 |
| acagctaggg | aaaaggcaag | ctggattttg | aactagggct | ctaagtgtctg | agcctgtggg | 137760 |
| cttcataatt | ggaccaaate | cctgtgtgct | gggcacgtgt | ccagcacttc | cctcatatga | 137820 |
| tctttatgtg | aaccatcctc | tggaatcctc | agaacaaacc | caggaagtag | gtataactcat | 137880 |
| ccccatttta | cagatgagga | aacaggcaca | gagagatgac | tggcttggcc | aagttaagaa | 137940 |
| taatggctaa | caaaacaaaa | caaaaacaaa | aattaaaaaa | aaaaaaagaa | taatggctaa | 138000 |
| ctcatggaac | tcatagaact | ccacaaggaa | agggtgttcta | agcaccttca | tacatgctgc | 138060 |
| ttcattttaat | ctctacatta | tacagatgag | gaaactgagt | cacagatatc | ctgagtgact | 138120 |
| tgcccacggg | ggcatcagtt | aatgacagat | ccaagatttg | aaatcagaaa | ggctggctcc | 138180 |
| ccagtctcca | tacttcacca | aaccagaagt | tctgaaactc | aaactgtggg | cctgccaatg | 138240 |
| gccacactgg | cttccctggg | gaacctgtag | acatggggat | tcccaggctc | caccccaaac | 138300 |
| ctcctgaatt | agaaactctg | ccccccgccc | caccccgctc | agagatccgc | aggggatcct | 138360 |
| aatacacccg | aaagtttagg | aaccactgac | ctcaccaata | ccactttttc | cacagcaaat | 138420 |
| aggttagagg | aggcagaatc | caaatccagg | atgctatgaa | tcaaaaaggtc | aaccttttct | 138480 |
| cttctgccac | ggtgcacccc | cttccctccc | ccggccaagg | ccccagcggg | gtctgcaccc | 138540 |
| tgccctcagg | catttctctt | cttctgtgcc | ccactccacc | ccaccagga | tgacttgttc | 138600 |
| gcggaacctg | ccaacctgag | ccacctcttc | ctccacggga | accgcctgcg | gctgctcaca | 138660 |
| gagcacgtgt | ttcgcggcct | gggcagcctg | gaccggctgc | tgctgcacgg | gaaccggctg | 138720 |

| | | | | | | |
|-------------|-------------|-------------|-------------|-------------|-------------|--------|
| cagggcggtgc | accgcgcgggc | cttccgcgggc | ctcagcccgcc | tcaccatcct | ctacctgttc | 138780 |
| aacaacagcc | tggcctcgct | gccccgcgag | gcgctcgccg | acctgccctc | gctcgagttc | 138840 |
| ctgcggctca | acgctaacc | ctgggcgtgc | gactgcgcgc | cgcgcccgct | ctgggccttg | 138900 |
| ttccagcgcg | cgcgcgtgtc | cagctccgac | gtgacctgcg | ccaccccccc | ggagcgccag | 138960 |
| ggccgagacc | tgcgcgcgct | ccgcgaggcc | gacttccagg | cgtgtccgcc | cgcggcaccc | 139020 |
| acgcggccgg | gcagccgcgc | ccgcggcaac | agctcctcca | accacctgta | cggggtggcc | 139080 |
| gagggccggg | cgcccccagc | cgatccctcc | accctctacc | gagatctgcc | tgccgaagac | 139140 |
| tcgcgggggc | gccagggcgg | ggacgcgcct | actgaggacg | actactgggg | gggctacggg | 139200 |
| ggtgaggacc | agcgagggga | gcagatgtgc | cccggcgctg | cctgccaggc | gcccccgga | 139260 |
| ttccgaggcc | ctgcgctctc | ggccgggctc | cccagccctc | tgctttgcct | cctgctcctg | 139320 |
| gtgccccacc | acctctgact | gcggtgctga | gatcgaagag | gccagtgtcc | gatccccgct | 139380 |
| ttccgtccac | ccggggctgc | ggctccggcc | ccagtcgccc | caccttccct | ggccttgctg | 139440 |
| cctccctttc | ccctcccagc | tcctctcctc | cccggggagc | aggccgcctc | tccttgccctg | 139500 |
| ccccctgggc | tgtcctgact | tgtggcagcc | ccaagagggc | gtgtgtgggtg | gctcagccct | 139560 |
| gccctcccca | gttctggcca | ttaactcttc | cccatcccaa | ggctgggggtg | gggcccccca | 139620 |
| ggcagccgct | gacccgcact | cctaagggcc | cacagcggac | accagagggg | cttttgtctg | 139680 |
| cagagcgtct | tccaccagca | gagccttttg | aagctcccc | aggagagccc | accagggacc | 139740 |
| ctttggggga | tgccctcagtc | agggccaggc | tgaccctgac | ccctgcttac | cctagtcccc | 139800 |
| tcaacctcct | gacactggag | gaatactttt | ctcctaagtc | taccctggac | acttttttagg | 139860 |
| gcacctggag | agaacttttc | tctccactgt | ggccccctgcg | tggtgaagat | caaaaagaagt | 139920 |
| tgtttgggaa | aaaaaattta | ttaaaaaatt | ctattatttt | atctactgta | agatttgttg | 139980 |
| acttgggacc | ccgaaagcgg | gatgaggtct | cagaatgtaa | ggattgcagg | gccaggagggg | 140040 |
| ttggagaagg | ggagccgtcc | cccgccatca | aagagcttcc | tggtggctgg | aggtgggtgtg | 140100 |
| cgctcccccg | ccatgaggag | gagctgaagc | cctgcattct | aggtgaggcg | cagtgtggca | 140160 |
| gccaagagtg | ggtgctgggtg | gcacctcttc | tcttcatttg | tccaggggaa | gagctgcagc | 140220 |
| caaccctgag | tggtctggcg | cctgaggaac | taagcctggg | gaagacctgc | tgtctgggtta | 140280 |
| acagccctct | tccagaccct | gttccttcag | gaaacaagag | cagttctcct | gcaaggagga | 140340 |
| gtcacataca | cactcctggt | cacagacagc | cccaacatgg | ctttgggtaa | atgtgaacaa | 140400 |
| ggcactgctc | cctcagggaa | acacagcccc | atgccagagc | aaacacctta | gcaaacagag | 140460 |
| accaaggctg | ggtttccgcg | tacacttgcc | tccttggtca | agtgcctctg | tgcaagtgcac | 140520 |
| agcgtacaca | cctgcacaca | gcaacctgtg | gggatgtggc | tctctctctc | agctcctgtg | 140580 |
| aggtagaagc | catcagggat | gaaccagggt | agagaagcag | gtttccaaac | aggctagaag | 140640 |
| agggaccgag | gaactcgggt | gatcagaggg | acaggaatcc | caaattggga | tgcattactg | 140700 |
| gcttgaggta | caatcagaac | cttcactctt | ctgggtgtgtg | gaagagaggc | tggggactgg | 140760 |
| gaagagctca | ggctaagaag | gacttggggt | gggatttagg | ggtgagtctc | atcagactga | 140820 |
| gcacttgagg | agaagtttg | tagtttgaat | ttggagctaa | gaatctagct | tgggcagggt | 140880 |
| gtggtcgctt | gcacctgtaa | tcccagctaa | ttgggaggct | gacgtgggag | gatcacttga | 140940 |
| ggccaagaat | ttgagactag | cctggacaac | atatcgagac | tgagtctctt | aaaaatgttt | 141000 |
| ttttaagaat | ctagtttgga | gtgggggtgtg | atgtctcaac | gtctgtaate | ccagcactct | 141060 |
| gggaggctga | ggtggacaga | tcacttgagg | tcaggagttc | aagaccagcc | tggccaacat | 141120 |
| cgtagaaacc | ccgtctctac | taaaaattca | aaaaaattag | ccaggcgtag | cggcggggtgc | 141180 |
| ctatagtccc | aggtaactcag | gaggctgagg | cacaagaatc | actccagcct | gggtgacaga | 141240 |
| gactctgtct | aaaaaaaaaa | aaaatctagc | ttgggagggtg | ggaatagaaa | gatagagggg | 141300 |
| gcctagatgc | tagggcttga | ggaagcaggc | tgaggttctg | tgattctggc | tagggagggtc | 141360 |
| aaatgatctt | gagaagaaga | gaagaaagga | gaagaaatca | gcatctaagc | ctgaggcgagg | 141420 |
| tagactccgg | ttaagggtgt | gggggtgggct | gggggagagt | gagagcagct | ggtcagaaac | 141480 |
| ccaggggagct | cggagtctgg | ggtcttgagc | gggcttgtgt | caggctggct | gtgaggaggt | 141540 |
| taatggggtg | gattggaggg | acagccagac | aagagctctg | gtggaggagg | ggctgctggg | 141600 |
| gcctgggcag | ggggagggga | gctgctggta | aattagaggc | aggctgtcca | ggtcatagaa | 141660 |
| ttatcattgt | gaaatattca | tgggccatcg | gtccagatgc | tatttcagaa | cagtgaagac | 141720 |
| aagaggagtg | tgtgagcctc | aggaagaagc | ctgaagcaaa | gccactctcc | accaaccccc | 141780 |
| acccctccca | ccaccagccc | agacagaccc | acggacgccc | atcacgtgca | caccacact | 141840 |
| cccagactct | cacacacact | cgcaccaagc | agagccatgt | agcacgtgca | agcacaccaa | 141900 |
| ccaccacagg | gtcccacaaa | caggcagggtg | tcccctaaat | tctgacatgc | acactgacat | 141960 |
| gcacaccac | tcaatcagga | cccagcagag | atcacctcca | gcgatctcac | atgcgcagac | 142020 |
| cccaaactc | tccaaacaac | ccagattcac | caccttgacc | cacacaccct | gagataggag | 142080 |
| ggatgttcaa | ggccatccag | cccaaccccc | accaatgctc | tgatggggaa | actgaggcca | 142140 |
| tagaaaggaa | gggatttgtc | tgagattcct | ctatccctcg | aaaaaagcaa | aattcattca | 142200 |
| cctcccacat | tctgagtgtc | ccccattctc | gcattttcgt | ctgccagaca | cccagcctag | 142260 |
| ttgtaattaa | ctcctccctt | tctctaattt | cctgcatcta | ttcagttacc | cagtccccca | 142320 |
| cccagccaca | gtctatccct | tccttcccat | tctccccacc | acctccctgc | tccagctact | 142380 |
| cattacctca | tgccctggaat | ataaaagaaa | actgcgataa | cctcctcgct | ggtttcctac | 142440 |

| | | | | | | |
|-------------|------------|------------|------------|------------|-------------|--------|
| atggaatctc | tccctccctc | ccacccagcc | ataccgtggt | gaccagattc | atctgatcaa | 142500 |
| aatttgcata | tgttatgatg | tcactcagga | gcctgtaatg | gcttccta | gcctataggg | 142560 |
| taaaggtaaa | acaccttagc | agagcatcaa | agatccctca | gagtctggta | ccaactgctt | 142620 |
| ttctagcctt | ttctctcaca | atctcatccc | aaaccttcac | tccagctaga | acgtttgtat | 142680 |
| catactggcc | accagttatc | atgtatgtga | aaccaccaa | ccgactttga | gtgccccct | 142740 |
| aaaatttctc | agtctctcct | gaagtaggaa | acctcttccc | cctcctcaga | tctcagactc | 142800 |
| cagagccctt | tcccaaggcc | aagactgcac | ctctctgacc | atatacaggg | gttcttcaaa | 142860 |
| gcagcagaca | gaggctcagg | ctctggctcc | ctccaagcag | acggctgccc | ccgactggcc | 142920 |
| accttgggaa | gcacagccag | gtttcagtcg | tctagaacag | agaatgagca | tctaaccgcc | 142980 |
| tggggagagg | actaggacac | cagatgataa | ggtttataag | cccttaagcc | tctaagggtc | 143040 |
| ttacacccag | agtagggggg | ggacgggtct | cagccctggt | tccctagctg | cgggctccca | 143100 |
| attttctgatc | cctaatecga | gaggaactcc | tctccaatga | aatacagact | tgggactctc | 143160 |
| aggacactgt | ggaagggaaa | tttcccaaca | gactctgaga | gtccaggagg | ccagggatag | 143220 |
| accaggtggc | aggcccaagg | tccagctggg | gtcagggttc | tatatgaatt | tttaattgctt | 143280 |
| ccagatagac | ttgtcagatg | ttctgaaaac | tgagcatctc | ctttcacctc | tgtacatgat | 143340 |
| gcccttctcc | aacccattg | cccctgcagg | agggcaggcc | tgggacagat | attcagtggc | 143400 |
| ctctggagaa | acggttttgg | gacagtagaa | gggtaaatga | cctagttatg | ttcccactag | 143460 |
| taagctgtgt | gaccttgggc | aagttactta | acctctctga | acattagagt | tctgtggggt | 143520 |
| tgtttttgtt | ttgtaagctg | gggacaatag | tgccagccta | aatcaatttg | ttgtggggac | 143580 |
| tcagtgcaat | agcccatggc | aaagtgacct | acatgcttgc | tggtattatt | ctctttcctc | 143640 |
| aagttctgcc | tccctcttcc | agcttttctt | ccaaccccaa | agatgtctct | ggctattgct | 143700 |
| tcgaaggtag | gaactttggg | tggttctccc | ctttctcttc | aggcccaaac | tccccacctc | 143760 |
| aagatccttt | ggcctttgta | gaaacttcag | gtgaggaggt | ggcagagaaa | taagaaagtg | 143820 |
| tgcaaggctg | gtggagttag | agaggaggat | agatggcgaa | gccctagcag | aggggagggg | 143880 |
| agtgggcagt | ggagagagg | | | | | 143899 |

<210> 16
 <211> 215980
 <212> DNA
 <213> Mus sp.

<220>
 <221> modified_base
 <222> (1001)..(1100)
 <223> a, t, c, g, other or unknown

<220>
 <221> modified_base
 <222> (2123)..(2222)
 <223> a, t, c, g, other or unknown

<220>
 <221> modified_base
 <222> (3728)..(3827)
 <223> a, t, c, g, other or unknown

<220>
 <221> modified_base
 <222> (5168)..(5267)
 <223> a, t, c, g, other or unknown

<220>
 <221> modified_base
 <222> (7481)..(7580)
 <223> a, t, c, g, other or unknown

<220>
 <221> modified_base
 <222> (8849)..(8948)
 <223> a, t, c, g, other or unknown

```

<220>
<221> modified_base
<222> (10375)..(10474)
<223> a, t, c, g, other or unknown

<220>
<221> modified_base
<222> (12270)..(12369)
<223> a, t, c, g, other or unknown

<220>
<221> modified_base
<222> (13438)..(13537)
<223> a, t, c, g, other or unknown

<220>
<221> modified_base
<222> (15902)
<223> a, t, c, g, other or unknown

<220>
<221> modified_base
<222> (15939)..(16038)
<223> a, t, c, g, other or unknown

<220>
<221> modified_base
<222> (18223)..(18322)
<223> a, t, c, g, other or unknown

<220>
<221> modified_base
<222> (20974)..(21073)
<223> a, t, c, g, other or unknown

<220>
<221> modified_base
<222> (24403)..(24502)
<223> a, t, c, g, other or unknown

<220>
<221> modified_base
<222> (27574)..(27673)
<223> a, t, c, g, other or unknown

<220>
<221> modified_base
<222> (30892)
<223> a, t, c, g, other or unknown

<220>
<221> modified_base
<222> (30901)..(31000)
<223> a, t, c, g, other or unknown

<220>
<221> modified_base
<222> (34443)..(34542)
<223> a, t, c, g, other or unknown

<220>
<221> modified_base

```

<222> (38205)..(38304)
 <223> a, t, c, g, other or unknown

 <220>
 <221> modified_base
 <222> (42373)
 <223> a, t, c, g, other or unknown

 <220>
 <221> modified_base
 <222> (42386)
 <223> a, t, c, g, other or unknown

 <220>
 <221> modified_base
 <222> (42393)
 <223> a, t, c, g, other or unknown

 <220>
 <221> modified_base
 <222> (42461)
 <223> a, t, c, g, other or unknown

 <220>
 <221> modified_base
 <222> (44809)..(44908)
 <223> a, t, c, g, other or unknown

 <220>
 <221> modified_base
 <222> (51380)..(51479)
 <223> a, t, c, g, other or unknown

 <220>
 <221> modified_base
 <222> (56740)
 <223> a, t, c, g, other or unknown

 <220>
 <221> modified_base
 <222> (56765)..(56864)
 <223> a, t, c, g, other or unknown

 <220>
 <221> modified_base
 <222> (62818)..(62917)
 <223> a, t, c, g, other or unknown

 <220>
 <221> modified_base
 <222> (68518)
 <223> a, t, c, g, other or unknown

 <220>
 <221> modified_base
 <222> (68534)..(68633)
 <223> a, t, c, g, other or unknown

 <220>
 <221> modified_base
 <222> (74552)..(74651)
 <223> a, t, c, g, other or unknown


```

<220>
<221> modified_base
<222> (81446)..(81545)
<223> a, t, c, g, other or unknown

<220>
<221> modified_base
<222> (88519)..(88618)
<223> a, t, c, g, other or unknown

<220>
<221> modified_base
<222> (93791)
<223> a, t, c, g, other or unknown

<220>
<221> modified_base
<222> (93794)
<223> a, t, c, g, other or unknown

<220>
<221> modified_base
<222> (96565)
<223> a, t, c, g, other or unknown

<220>
<221> modified_base
<222> (96570)..(96573)
<223> a, t, c, g, other or unknown

<220>
<221> modified_base
<222> (96579)
<223> a, t, c, g, other or unknown

<220>
<221> modified_base
<222> (96590)
<223> a, t, c, g, other or unknown

<220>
<221> modified_base
<222> (96596)
<223> a, t, c, g, other or unknown

<220>
<221> modified_base
<222> (96602)
<223> a, t, c, g, other or unknown

<220>
<221> modified_base
<222> (96616)
<223> a, t, c, g, other or unknown

<220>
<221> modified_base
<222> (96629)
<223> a, t, c, g, other or unknown

<220>

```

```

<221> modified_base
<222> (96633)
<223> a, t, c, g, other or unknown

<220>
<221> modified_base
<222> (96668)
<223> a, t, c, g, other or unknown

<220>
<221> modified_base
<222> (96715)..(96814)
<223> a, t, c, g, other or unknown

<220>
<221> modified_base
<222> (104447)..(104546)
<223> a, t, c, g, other or unknown

<220>
<221> modified_base
<222> (114521)
<223> a, t, c, g, other or unknown

<220>
<221> modified_base
<222> (114527)..(114626)
<223> a, t, c, g, other or unknown

<220>
<221> modified_base
<222> (127063)..(127162)
<223> a, t, c, g, other or unknown

<220>
<221> modified_base
<222> (139133)..(139232)
<223> a, t, c, g, other or unknown

<220>
<221> modified_base
<222> (151051)
<223> a, t, c, g, other or unknown

<220>
<221> modified_base
<222> (153242)..(153341)
<223> a, t, c, g, other or unknown

<220>
<221> modified_base
<222> (164706)
<223> a, t, c, g, other or unknown

<220>
<221> modified_base
<222> (164708)
<223> a, t, c, g, other or unknown

<220>
<221> modified_base
<222> (164710)..(164809)

```

<223> a, t, c, g, other or unknown

<220>

<221> modified_base

<222> (182242)..(182341)

<223> a, t, c, g, other or unknown

<220>

<221> modified_base

<222> (192158)

<223> a, t, c, g, other or unknown

<220>

<221> modified_base

<222> (192192)

<223> a, t, c, g, other or unknown

<220>

<221> modified_base

<222> (198842)..(198941)

<223> a, t, c, g, other or unknown

<220>

<221> modified_base

<222> (199437)..(199438)

<223> a, t, c, g, other or unknown

<220>

<221> modified_base

<222> (208276)

<223> a, t, c, g, other or unknown

<220>

<221> modified_base

<222> (215974)

<223> a, t, c, g, other or unknown

<220>

<221> modified_base

<222> (215976)..(215977)

<223> a, t, c, g, other or unknown

<220>

<221> modified_base

<222> (215979)

<223> a, t, c, g, other or unknown

<400> 16

| | | | | | | |
|-------------|------------|------------|-------------|-------------|-------------|-----|
| ttgggggtat | aaaccagaa | gtgggattac | tgcaccatac | aataatcctc | taacttcaag | 60 |
| caatttttcc | acaatggttg | tatcatttta | cattccact | ggctacgaga | agggttccca | 120 |
| cttctacaca | tcttcaccac | catttctgtt | tttgtttttg | agtaacagct | gcctaattgac | 180 |
| tgtgaagtgg | tatcttatct | cagtgttgat | ttgcatttct | ctgatcatta | atgtgggaag | 240 |
| gcatcgtttc | atatgtttat | tggctgtttg | tgtatcatct | tctttggcga | tgttgattca | 300 |
| agttatttgc | ttgttttttt | aattggagtt | ttaaaaaatt | gttggtgagt | tgtgggagtt | 360 |
| cttcatttagc | tctgcatatt | aataccctga | tgaaaatgat | taacaagtat | ttgcttccat | 420 |
| tttgggggct | tccattctgg | gctgttttta | ttcttttgat | actcttttga | ttctcaacag | 480 |
| tttaatctga | ctaaaattca | gtttatttct | tcttttaattg | gccatgctat | tgacacatcc | 540 |
| cgtaatcact | gccaaatcca | gtcatgaaga | gtttctttca | agagatttat | agtttttagct | 600 |
| ctttaagttt | gtcatgtctg | tttcacttaa | ttttgtatag | tgtacaaaag | tctaacttca | 660 |
| ttcttttcta | tatggcttgc | tactagtata | cgaagagcta | aattttctctt | tccttgagtc | 720 |
| tcaacctctg | atgtgtagca | atcttctcag | aggaaaacat | ggtgggaagt | tccttaaaca | 780 |
| taggatgctc | catggaggtg | aaatagttca | tcctacaggg | aagcttgtta | aacacaggaa | 840 |

| | | | | | | |
|------------|-------------|-------------|-------------|-------------|-------------|------|
| gtacatactc | agcagctcta | gtaagtgagt | gaaactgact | ggaggcacta | ggtccctcct | 900 |
| tccctacgca | tatagaagct | gtaaggattg | ggaagagata | ctgtcaggtc | agctcagctg | 960 |
| ctgcccggaa | gaagctcaga | cccactggcc | tggctccaag | nnnnnnnnnn | nnnnnnnnnn | 1020 |
| nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | 1080 |
| nnnnnnnnnn | nnnnnnnnnn | atcactcttt | actcaggcca | cctacacgct | gtttatagcc | 1140 |
| tgcctttgtc | tctttggcta | tacttcctgt | ttatgtctat | gcctccctc | ttctcttttc | 1200 |
| tttctcttct | cttctcatct | catctcatct | ttcttcaggg | gggagcctgg | tctagaactc | 1260 |
| acaaagattt | gactgtctct | gtctccttgc | actaalttaa | aaatctttta | caagcatctt | 1320 |
| ttagcaattc | ttacagggaa | attttggaat | gttaaactct | gattgttagc | gggctgaaga | 1380 |
| taacaatagc | tctgatgata | aattgcttgc | caggcaagtg | tgaaaatctg | agtttgatcc | 1440 |
| aaaaagccgg | gtacagaggc | caaagagtcc | ataatcctag | taggggcagg | aatcagggat | 1500 |
| gggtgggtcc | ctgggggttc | ctggtttgtc | agcgtagccc | aattgggaat | agccaggttt | 1560 |
| cagtgaacga | tgctttctgc | aagctgagag | aggtccttgt | tcaatctctg | tgacccaact | 1620 |
| ggaggagaaa | gagagccagc | tctccagaag | tggctctctc | aactttgtgc | atgcatgtcc | 1680 |
| atgttcacac | agggaaatgga | taatgcttaa | aaggaagacc | ggcagggggg | tggtaatgca | 1740 |
| cctcctttgg | tgacatgctt | tctcttgtt | catgctgtct | caggtgtggg | cggcagcacc | 1800 |
| aaaaaccagg | tgtatgtttg | taatcccgat | attctctggg | cgtcagtagg | aatgaaaaag | 1860 |
| cgaggtcata | ttcgtataga | gttagcaaac | tctaagccag | cctcggctac | atgagacttt | 1920 |
| gtctcaaaa | aaaggaaaaa | tcaaggagga | cggctcccga | gcactgtcac | ctgaagctga | 1980 |
| cctctggcct | ccacatgcat | gtgcgcaaac | acatgtcctg | cacaaacaca | cagacaccgg | 2040 |
| catctgtctc | ccgacaaaag | aacctgaaac | cagtatactt | tgagaatttc | ccattcatag | 2100 |
| ttaccattgt | gtgttctctg | tgnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | 2160 |
| nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | 2220 |
| nnngtgggtc | ctttctctta | cccagtctag | aagggctgga | ggcaggggtg | atggggcact | 2280 |
| ttgaactccc | acctaggcaa | aaaaccaggt | gatctctggg | ccagtgtgtt | gtttgcaagg | 2340 |
| gaataaggta | gagagccgcg | gaggaagaca | ttgggggttc | tatgagtatg | tgaaggggtg | 2400 |
| cacacaccac | acacacacat | tttttttgtt | ttaaattttac | aaacattaaa | ataggctgta | 2460 |
| atgtgggtca | gtgggtagaa | aaacctgctg | tctaagcctg | gtacgagttc | aatccctgac | 2520 |
| aagctggaag | gagacaacca | accacaactg | ctagcagcca | gaagcactgc | ttgctaacac | 2580 |
| tcaagagagc | ctggagtgga | agacactgga | tccccagcag | gcaagcctgc | agaagatgt | 2640 |
| gccttgccct | gacaacggca | gaacaaacat | caaggctggc | agagctgtcc | aggactgttc | 2700 |
| atattaatca | tgtatagata | agaggggaatg | gcacagacag | aacaattcaa | cacacggggg | 2760 |
| atgaaaggaa | aggaacaagg | cacacaaagg | acaaagaacc | tagcatacaa | gaaagcctaa | 2820 |
| gcagagagtg | gcacttccca | gaagggagtc | ataaaataga | ctgaattcat | taaaacaaga | 2880 |
| gccaaagata | aacgggtcaa | aaaactcacg | gaaaacaggt | caaaataacg | tcacccatct | 2940 |
| gacagttgat | actgtcaact | taaccgtatc | tagaactcca | gcaggcacat | ctccaggcat | 3000 |
| gcccctgaag | gggtcttttg | actagggttaa | ctgacgtggg | agtgcacca | tctatggacc | 3060 |
| gaagcctcag | acagaataaa | aaggagccag | tgagctgagc | gtcagtgtct | attgcttctg | 3120 |
| gcttctgtct | tgtggctgca | gcgagacacg | gtgcttctgt | ctttagctgc | catgacagac | 3180 |
| cacacctca | aaccgtgaac | caaaataacc | tctctcttac | attgctttta | ccaggcatct | 3240 |
| ggtcacacca | atgagaagg | ttaactaata | cagcactcaa | tacttaaaaa | cataaacacc | 3300 |
| aaccttggtt | gcattgtgtg | gactttgaag | ctcacggggc | agttatgccc | aatgccaggt | 3360 |
| ctgctggcta | agggtgagag | tgcacaccta | taatcccagc | tgctgtggaa | tcagcaaaag | 3420 |
| cgctacagat | ggaaggcagc | cagggcagct | gagactgact | caaactgata | gaggtggggg | 3480 |
| gcatagagaa | aaccagatta | atagagtgtt | cccactatg | caagaagccc | tgggttttcag | 3540 |
| gacgagagaa | ctaagaatac | agaagtctac | tgtgtagaag | cactgctagg | tcacacagaa | 3600 |
| acatcactca | agtgtctctg | gatgctacac | ggagggcgtg | tgaagtattg | cttcctgatg | 3660 |
| atctgtatct | actacagcac | tgtgttttta | gtatgcgtct | ctccactaca | gctcctcacc | 3720 |
| acaccaannn | nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | 3780 |
| nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | nnnnnnnaat | taatcaaaga | 3840 |
| aaacacacac | caccagttag | agaaagttaa | tcaggccgaa | tggcggtttt | cccctgtatc | 3900 |
| caggctaccg | tcaggacggc | tactgccac | tggcaactct | gcctgaacaa | agcccgagc | 3960 |
| caacgtgggc | ttcaggggct | ctaaacactg | caatcaaagg | ttgtgtgtgg | gggtgggggt | 4020 |
| gctgtgtcta | ttcaaggatt | cccaaagctt | agatgtattc | atcatactca | caggaaagcg | 4080 |
| tgttcaaccc | atcactcatg | agcagtcggt | accgggggtg | cctattccct | gtagaaatgg | 4140 |
| gacggatgtt | ctggaaaagt | tgacagaaaa | gttgattcat | taggcaggct | ctttgcccac | 4200 |
| gccctgaggg | taagcaaaagc | taactggcag | gagactaggt | ttgccattaa | tctgagacaa | 4260 |
| gatgaaccac | ttgcccctcc | tcttgacacc | taaataactaa | tgaaagaaca | atggattgag | 4320 |
| ctggcattat | taaaaacgat | agaaacagaa | gtatcaatag | tcatgtgttc | ttctcccat | 4380 |
| atgtcaaaac | aatgtgtaag | atggcatcga | acacatgcag | aaactgttta | gggaacatgc | 4440 |
| tgaaaatatg | aagtaaaatt | aaaattggaa | agaaagacaa | tttgccctaaa | gcagctcaga | 4500 |
| gctggagaag | ggaccgaggc | agagataaca | gcaacgtgtg | gacatacggg | tctggggcag | 4560 |

| | | | | | | |
|-------------|-------------|------------|-------------|-------------|-------------|------|
| agcagtcacg | gactcagccg | gaaaggggtg | ggcagcctct | gaaggaagtt | aaggtaaata | 4620 |
| gagccacaag | gtgattggcc | caggagtggg | gccaccttca | cctcctgcct | caaagtctga | 4680 |
| aggaatgatc | ctggagtcct | ccatctattg | atatatgaaa | ttcacagtat | gttttagaac | 4740 |
| ccactgaatg | atgggtagat | taactaaaaa | aaattttaagc | gggggtgggc | aggtctttta | 4800 |
| atcccagcac | ttgggaggca | gaggcaggtg | gatctctgtg | agttcgaggc | cagcctgggt | 4860 |
| ccaggacagc | cagagataca | tagagaaacc | ctgactcgaa | aaaacaaaat | taaaagctca | 4920 |
| tcaaaacaac | aacaacaaca | aaaaaaaaca | aaaaacaaaa | caaaacaaca | aaacacccta | 4980 |
| tagtacctgt | tggtgagttt | gagtgagtga | gtgagtytgt | gttagagaga | ggggcgggga | 5040 |
| aagtgtgttc | tggaaatggg | agaaagagaa | tgtgcatgtg | tgtttctggg | atgtagacaa | 5100 |
| aactacatgt | cttccatcaa | atgcaatgtt | taattatcta | tgagttgaac | catcttcatt | 5160 |
| ctgctaannn | nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | 5220 |
| nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | nnnnnnnaac | aaaaataaac | 5280 |
| caaaccagta | aacaaaatcc | tgtaagataa | agcctaagac | aagacacttc | ctggggctgg | 5340 |
| ggagttgctt | agaccataag | gagttcataa | tccaggcgtg | agagcccagag | ttcagggtccc | 5400 |
| tgggcttcca | agtcaggagg | agaccaagga | atcaacaagt | ctcgactttg | gtctctagtc | 5460 |
| ccatgcacac | acacgcgtgt | aaatacgtag | atgttcactc | acacacagaa | gactgcacct | 5520 |
| ggctctctca | catctcagcc | aacatataaa | gcctgcatta | tcagaacatt | ctagggttcta | 5580 |
| gtttcagtca | actcttacac | agaatggcca | tcatactccg | tctacaactt | ctcctgatct | 5640 |
| acccacgtgt | cattgcttca | gtattaacaa | aaccagaaat | aaccagctgc | gtagatcctc | 5700 |
| cctgatgccc | cagtcattgt | cttactgaga | ctactaagtc | acaaggtagc | actctggatc | 5760 |
| caaaaagcaa | tatccaattg | agagttacaa | cctataagga | ggagtttacc | ttcattatag | 5820 |
| ggcactggat | tcccaatctt | taatccaacg | tcttcagcag | atttcataac | ttccaagtcc | 5880 |
| atcaaaaaca | ctactttcct | acaaagacag | acacaagtta | gaattaagaa | ctctgcagcc | 5940 |
| tttcagatga | gttactaaga | agcttacttt | agtagttgtc | tggctaaaac | tgtatccttt | 6000 |
| accaaccttt | tctcattctg | gactaacttg | agaagtatta | attcctaagt | aaatacttca | 6060 |
| cttattcttt | ccccacatct | ccaatgtttt | tgtctttaat | ttattatagg | gcaattcatt | 6120 |
| tcctatctag | ttccctgatt | aaaacagtag | accttgctgc | atgccattat | cctcatggag | 6180 |
| gcactgatac | aatttagatt | attaaataca | aaaccctaaa | acacaaaaag | atgatttttt | 6240 |
| tttaaaacaa | gatttttaaaa | aaagcatgtg | ctacgcttcc | ttctgccact | aagcctacac | 6300 |
| atggctctct | gactgaattt | ttccctctat | tctgcttcct | ctaatatgtg | cttttcaaac | 6360 |
| ctggaattga | accagggact | tattcatgct | aggcaaatgc | tctaccatag | agctataccc | 6420 |
| ctccaactcc | catcttcaat | atcatttcca | aagacatttt | cttgggtctct | tatttagatc | 6480 |
| aggtttcttt | gtcctcctgc | agctatgact | tcattccttc | agaacactcg | tcttagcttt | 6540 |
| aagttctgta | ttaattagtg | attgttttca | ttctctctgc | tagaatgcac | tttcaataaa | 6600 |
| ggcaggtagc | cagccacagt | gcttaattaa | gcaacagccc | aacgatgtca | ttcactacat | 6660 |
| actgggacaa | gatgcctaac | atcatctgca | gataaagacg | aactactggg | gtcaggagac | 6720 |
| agctaagggg | tccaggggctt | gggcacgctg | agtgtgagca | ctggagtcgc | ggtgcccgaa | 6780 |
| aacgcacata | aatgcaatat | ggatgtggca | atctacctct | aattccttct | ttaagacagt | 6840 |
| ggctctccag | agcaagctgg | ctagcaagac | aagccatctc | agtgaactct | gggcttgacc | 6900 |
| aagaccctgc | ctccagggtg | aactcccaag | caaaaggatg | atggctcaca | aatctcaggc | 6960 |
| tatcatgttc | atgtacaaa | tgtcaaccgg | catcacacac | tgcacacaca | tgaaaaactg | 7020 |
| gagaaaaata | gaagaattgc | aacaaaaaaa | tgtaatgtga | ggacacataa | ttgcaggcgg | 7080 |
| ggagtggggg | gatgacagaa | ggtgaactga | gtggaccgag | ggaaagctgt | gctagcggca | 7140 |
| atgagaagaa | gggtggggca | gtctgagcaa | gggttcagca | atcaccacgc | tttactgtct | 7200 |
| gcacagcctg | gctgtagaat | gctgggcttt | atcacacaga | attattcagt | atgtgctatc | 7260 |
| tttacagtaa | agttattcta | tcaggctatg | ctacttcaat | agaacaagcc | tgaaaaagtg | 7320 |
| gtctgctgct | gagaacctga | caaagatgac | ctgttagaac | tgtctgcca | gtgtggaatt | 7380 |
| ccagcactgg | ggaccaggag | ctcgagggtc | acccagatg | cagggaagta | gaggccagtc | 7440 |
| ttggcaacat | aacatcatgc | ttcagaaatt | aaaaacaaaa | nnnnnnnnnn | nnnnnnnnnn | 7500 |
| nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | 7560 |
| nnnnnnnnnn | nnnnnnnnnn | catgagatag | ttaataaact | gaagaaagcc | atacaaggag | 7620 |
| taaagtagat | agttgcaagc | atgaagaaag | acaaaccact | tgagcttttc | ttttgtcgta | 7680 |
| aggaggaaac | cagacagggtc | cagagagatg | gctcagagat | taagagcact | gactgtctct | 7740 |
| ccgaaggctc | tgagttcaaa | tcccagtaac | cacatgggtg | ctcacaacca | tctgtacagc | 7800 |
| tacgggtgtac | tcatatacat | taaataaata | aataaataaa | taaataaata | aatcttaaaa | 7860 |
| gaaaaaaaaa | aaaaacctaa | ccaatcagcc | aggcgatggg | gacacatgtc | tttaatccca | 7920 |
| gcacttgagg | ggcagagaca | ggtggatttc | tgagttcgag | gccagcctgt | tcttcagagt | 7980 |
| gagttccagg | acagccaggg | tgatacacag | aaaccctgtc | tcaaaaaaca | aacaaacaaa | 8040 |
| caaacaacaa | aacaaaaaag | gaggaagcca | gacaggatgc | actttatacg | tgaatggaat | 8100 |
| tgacaaaaga | caagttctat | aagtggttag | gaaaggggga | ggacaacggg | ggttcatgtc | 8160 |
| tgtggtggaa | cacgtattag | aaggctctgg | gtatcctgtt | tccgacaaac | aggcactccc | 8220 |
| aatcacacag | gccactggat | gtctcaggca | gagaaagatg | tgatagattg | actttttaac | 8280 |

| | | | | | | |
|------------|------------|------------|------------|------------|------------|-------|
| aatcacagac | tgtgtggaaa | atatttgtaa | ggttgtcatt | gtcaccag | atagagctga | 8340 |
| tggttattca | aacgaggatg | ggacaacaga | aatgggagag | agggatgtga | gaaccatttt | 8400 |
| gaaccagggt | gatttactgc | gcacgtgtat | agggcttaca | gggagtggga | tatgtagagg | 8460 |
| aggcctatgt | tcctaacttt | ggtaatgagc | ttattacagt | tactatgcac | agcctggaag | 8520 |
| atactggaaa | aggtgcaggc | taggctagaa | aggtactaac | tgagggtttg | acagcccctt | 8580 |
| ggatgtcagg | atgcagcaag | cctacctctg | tatgtagtca | atcccttctc | aggctatggg | 8640 |
| tcctgcagat | catccgtctc | tgtatccatt | attcccagtc | catcctctga | gtggctccct | 8700 |
| cttatccagt | ttaacaaaat | gctgactyca | agctcccaag | cccagggctc | tggtctcctt | 8760 |
| actccttggt | attgtacttt | accctgtttg | cttgggatag | agtgtgacct | ttataaacat | 8820 |
| ttgtgaaagg | gggaatgaag | aagaataann | nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | 8880 |
| nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | 8940 |
| nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | 9000 |
| nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | 9060 |
| nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | 9120 |
| nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | 9180 |
| nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | 9240 |
| nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | 9300 |
| nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | 9360 |
| nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | 9420 |
| nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | 9480 |
| nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | 9540 |
| nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | 9600 |
| nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | 9660 |
| nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | 9720 |
| nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | 9780 |
| nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | 9840 |
| nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | 9900 |
| nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | 9960 |
| nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | 10020 |
| nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | 10080 |
| nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | 10140 |
| nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | 10200 |
| nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | 10260 |
| nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | 10320 |
| nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | 10380 |
| nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | 10440 |
| nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | 10500 |
| nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | 10560 |
| nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | 10620 |
| nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | 10680 |
| nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | 10740 |
| nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | 10800 |
| nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | 10860 |
| nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | 10920 |
| nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | 10980 |
| nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | 11040 |
| nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | 11100 |
| nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | 11160 |
| nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | 11220 |
| nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | 11280 |
| nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | 11340 |
| nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | 11400 |
| nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | 11460 |
| nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | 11520 |
| nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | 11580 |
| nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | 11640 |
| nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | 11700 |
| nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | 11760 |
| nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | 11820 |
| nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | 11880 |
| nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | 11940 |
| nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | 12000 |

| | | | | | | |
|-------------|-------------|-------------|-------------|-------------|-------------|-------|
| aaactcaggc | cctgggctagg | caagctctta | ggacagtgtt | agctgtagct | tattaagtgtt | 12060 |
| ttaagaattt | ttataagact | ctgtttttct | ttctcaggtc | atgatacagc | aggaaaatac | 12120 |
| atccataaag | cccacctgc | aggctattgt | aagtaccggc | atgtgtgttt | agcataatga | 12180 |
| agatggttca | cttatagtta | attaaacatt | ggattggatg | gaagacatgt | agtttttggtt | 12240 |
| acttcccaga | aacacaaatg | cacattcttn | nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | 12300 |
| nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | 12360 |
| nnnnnnnnng | aattcagagc | tgatatgtag | tactaactcc | tactcaatga | atcctttgtt | 12420 |
| cttctattcc | ttcattacat | tactgttaat | agtggtaact | atgtaccaaa | gagtcaaaata | 12480 |
| actcttggac | catccaaggc | agaaggaagg | ctggcaaaaa | tgtatgatga | tctgggatgg | 12540 |
| gaatgtactt | cagtttgtac | aggaggccct | tggttcattc | catttctggc | aatgcataga | 12600 |
| cctgtaggat | ctcagcactg | gtgggggggtg | gggggtgagg | gtgaaggggc | gggagggttaa | 12660 |
| aggcagaata | gtcataaatt | caaagtctgg | gtcctggaaa | gaggactaaa | cgattaagag | 12720 |
| ctttagctgt | tcttctagag | aacctgggtg | gatccccagc | acatgggtgcc | tcacgactgt | 12780 |
| ccgaaactct | gattctaggg | ggatctgaaa | accctcttct | gccctctgta | gatacagaac | 12840 |
| acacatgggtg | cacatacata | catgcaaccc | aaacaaccca | tatacataaa | atattttttt | 12900 |
| ttcaaaaaga | cattcaaatt | cttcctcggc | tatatagtgt | ttaccaaac | tcaaaaacaa | 12960 |
| aacaaaacaa | aacaaaacaa | agaatcatta | atgttttgcc | ttcatgtatg | tctgcccacc | 13020 |
| acggacatgc | ctggtaccca | gggagattaa | aagaagacat | tagctccct | ggaatggaga | 13080 |
| taggtatgat | ctaccacttg | ggtgctggga | acctgggtcc | cctgcaaaaag | cagtaaactct | 13140 |
| ttttaacccc | taagctgtct | ctcccaacgc | ctaaagattc | ttgtaacaca | gcattgatga | 13200 |
| cactggcaag | catagcatgg | taatctgact | tcagggcgcc | agattttgag | cttaagtctt | 13260 |
| gattattaga | agtaacgtac | tagattttaat | gcttggagct | tcaagcaaca | aaattaactg | 13320 |
| aagaataaaaa | ataaaaaccc | tgccagccat | gatggtaatc | ccagaacttg | agaggcagag | 13380 |
| gcaggtgatc | tctgtgtttt | gcaaggccag | ccacaatcta | catagcacgt | tgcagtannn | 13440 |
| nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | 13500 |
| nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | nnnnnnncga | ataaatctac | acatgtaaaa | 13560 |
| agaaattcaa | agaaacaaat | gccaaataaa | tacacatatt | gtaataaaga | gataattgtc | 13620 |
| taaaaaactc | aaggctttta | atggtaagat | atcatattct | tggatgaaaa | gatctaattgt | 13680 |
| caaaatatat | caattttaatg | caattatgta | tattcaggag | atctctgggt | ggcttttgaa | 13740 |
| cttgatagca | ctctttataat | tcacatagaa | gaaaaaaaac | catgaaaact | gccaaacatt | 13800 |
| attagaatac | tccacagatg | gtattttggc | agcacataca | tcgaagggtc | tgaaagatg | 13860 |
| ttagatcatc | ccacgccttg | ctaggggagc | ggcgggtgtg | tgtggggggg | atagctgttt | 13920 |
| gggaaaataa | cctggtaatt | cctcattagt | taaatcatag | tcagaacctg | gactagcaac | 13980 |
| ttctctctaa | aatacattca | ccctcagcat | ctgcattgcc | aggaaaccac | tcctagcagg | 14040 |
| atctgtacgt | ggatcaaggt | agtagcatct | gcattttaatt | gacattctcc | taaatgcttt | 14100 |
| aaattatctc | tagattactt | atagtagcca | agatgatgca | aattatgtta | cactgtatta | 14160 |
| tctggggcgt | aacaagaaaa | tgtctctact | caggttcatt | cagggtgcagt | acttcccctg | 14220 |
| aatacttctg | aatacacgga | tcaagaagcc | acagaaagag | ggctaaccat | atacaagcat | 14280 |
| atagtacact | aataaccatg | tacaaccata | tagtacacta | atatttcagt | cattactcaa | 14340 |
| aatgcaaaca | gatggaacaa | atccaacagc | ctgtaagctg | aaaaacaaga | taagcaaaat | 14400 |
| gtgctgggcc | tagaggccca | ggtctataat | tccaactaag | gtcgaaggcag | gaggatctca | 14460 |
| agttcaaggc | cagcctagac | aaacttagcaa | gacctgtgtc | caaaacaaaa | agtaaagagg | 14520 |
| ctgaggatat | agctcagtat | agagcatctg | cttagcatgt | gactgacag | ccgtatcaca | 14580 |
| gaggaaaaaa | aaaaataagc | aaaatgtgat | ctgtctgcac | aacaggatat | cacagcccc | 14640 |
| taccacaggg | gaacgacaca | gtaacacaac | aaaaacttag | ccctgaaaat | actatggtaa | 14700 |
| ataaagaagt | gtcactgagg | atcaggaaat | gcatgactcc | atttacatta | tatagaaatg | 14760 |
| agaagatcag | tgagcctcta | ggactcaaga | gatttgggat | tggcagctaa | agggtactgg | 14820 |
| gtttctttat | gggggtaaga | aaacattcta | aacttaactg | tgagaatgac | tactcaacaa | 14880 |
| tgtcaagtgt | tcaaaaatca | tacttttttt | tttttttggt | ttttcaagac | agggtttctc | 14940 |
| tgtgcagtcc | tgtgaactcac | tctgtagacc | aggctggcct | cgaattcaga | gattcacctg | 15000 |
| cctctgcctc | ccaagtgtctg | ggattacagg | catgcgccac | cattgtccgg | ctcaaaatca | 15060 |
| tactttttaa | aattgcccag | tgactcatga | atacaatcag | aggcggggaga | ggacagtggc | 15120 |
| aaactcagga | taccagtgtc | ttttatgtct | gctgcccac | tatcaatttc | ccatagttac | 15180 |
| cagagaactt | tttggtttgt | ttcatcttat | ttgttgcttt | tggtagaatc | tcaatatagt | 15240 |
| aagatacaag | gctggcctca | tactatatag | ctgaggacga | ctttgaactt | ctaatectcc | 15300 |
| tgcttccatc | tcccaagtgg | tgggattaca | gggggtgtacc | gctatgccc | gcaagcacia | 15360 |
| agccatttga | accacacccc | agccttttca | gagaaacctg | tacaagcctt | agtgccttag | 15420 |
| catattaagg | caacaaaaga | cataatgcgt | ggctaccata | gagtgtttgc | ctaccatgtg | 15480 |
| tgaggctcta | ggctaaatgt | ccagcactta | taaaaaagag | ttaaaaacac | tcatgactca | 15540 |
| aggatgacta | tgcagtcttg | tgtacaaagc | ccgcatttca | atccccagca | ccgtgcacat | 15600 |
| caggcaggct | ctgtagagga | cccagcttaa | ggctatcctt | aggtaagtta | gaggccttag | 15660 |
| atggctacat | tagatgagac | cctttctcat | aaacagaata | aataatttaa | agctcctgat | 15720 |

| | | | | | | |
|-------------|-------------|-------------|-------------|-------------|-------------|-------|
| caaacactat | gccttcccat | cacactcaga | ataaagcact | ctactggccc | tttaaggact | 15780 |
| gcccactctgg | aagagaaacc | taagttacat | tccttgcttg | tgcatatgt | gataacaaac | 15840 |
| tacttgga | tacgaaaata | cagtcttaag | cttggtcaga | aagcttcccc | agcaacatga | 15900 |
| tntcagagga | cataatgcag | aaagtggaca | aatgcaann | nnnnnnnnnn | nnnnnnnnnn | 15960 |
| nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | 16020 |
| nnnnnnnnnn | nnnnnnnnnaa | tcagaggaca | tctttcagga | gttagttctt | tcctccctct | 16080 |
| atagctttca | gggatcaaac | tcaagtgtgt | actgagcgct | tatgcccagt | gcgccatcgc | 16140 |
| accaggcctg | cttctttgtt | ttttatgggt | ctgaatcaat | tagcaccatt | acaacaatgt | 16200 |
| tgacaatcag | caagtacctt | tctctacctg | gctagtaaga | gaagtaagt | cctttggtgt | 16260 |
| gtgaacgcag | tttctcttgt | gaagtgcagt | gacttgatct | ttgctcacia | cgttttttag | 16320 |
| gtccttaagt | tgcttgggtt | ttatgggaaa | ggctcttggg | tttttgaaa | agattttact | 16380 |
| acaacttgat | ataactatta | tttttaatcc | tttaaatagt | atgacttatt | ttaacagatt | 16440 |
| aataattgaac | tgttctttca | ttcttacata | ataaatcctg | ccttaaaaaa | taatcctctt | 16500 |
| agcttccttt | ctctattttc | aaatttgttt | tatatttttg | catgattttg | aacatttata | 16560 |
| aaagtaggca | gacaacacag | tagaaccaag | tccccatata | gctgtgcaca | tagcttcaga | 16620 |
| ttattgcctg | ataataggtc | ctgttttgtc | tctgttttct | cacagggatg | tggtattgtg | 16680 |
| tgtgtgtaca | catacatata | tatatgtatg | tatgtatgta | tgtatgtatg | taatgaactc | 16740 |
| cctttaacaa | aacaagtact | gggctgggaa | gacagcacag | ttagttatgt | gtttaaccgc | 16800 |
| acaagcatga | caaccagagt | tgagatcccc | accaaccgca | taaaaagctg | ggcatagtgg | 16860 |
| cattgacctg | tagccctggg | gctggatgaa | agctggggag | gcaggtagat | cggcagagct | 16920 |
| tactggcaac | aaatctgccc | agtaggtaag | ctctgggctc | agacatccta | tataggaaaa | 16980 |
| agatgaagg | cgaggcgag | cggcacacac | ctttcgtggt | agtgcctgag | aggcaggggc | 17040 |
| aggccagtct | ctgtgaccag | cagcctggcc | tacatgtcaa | gttgccaggac | agccagagcc | 17100 |
| accacctact | gagactgtct | cagaaataag | ttttttaaaa | aattgagatg | aaggagctgg | 17160 |
| taagatggct | tagaaggtaa | aggcacttat | cactaagcct | gaagccccga | gtttgaccct | 17220 |
| ggacccaca | ctgtagaacc | aactcctcca | agttcctctc | agacctccag | cagagcacaa | 17280 |
| gtgtatgcag | acacacacac | taagtaagt | aatgtaaaaa | acatgacgta | gtggcactgg | 17340 |
| cctttaaac | cagcattggg | aggaagaagc | gggtggatct | cctgagtttg | agaccagctt | 17400 |
| agcctacata | aggaatttca | aggcagccag | ggctacctag | aaagtagctg | tttatgaatg | 17460 |
| aatgaataga | aggaaggaag | aaagagagac | agacttaaaa | aatatatgct | ggagagtaac | 17520 |
| agaagaggac | accggcttgc | tggtgtcttg | acctctggct | tgtacacata | cacatgtgta | 17580 |
| gtgcatacac | ccacatacaa | ttgtactcag | acacacacaa | acatgtactc | attcatatac | 17640 |
| tgcacacctc | aacactcaga | aaatgaaaaa | acaggtacca | tttacacctc | cgtgttcggt | 17700 |
| ttccaaccac | tcatatgtat | gggttgtaaa | tgcttatatc | tgtatgtgtc | tgtatatattg | 17760 |
| tgtatacatt | caaagttgag | tcaggatcca | acgtaaactt | ggatagtagt | gggttgatgg | 17820 |
| tctggaagcc | tgctcgcagc | tgtctttttc | tcctcgtacc | ttttccctg | tttgtttcta | 17880 |
| cgacagcagg | tcatttgtct | ctaagtgtta | gtttcccatc | ctctctcttt | tgctgatggt | 17940 |
| agcctttag | tagtcacctg | tgttctctgt | aaaatggctt | tgccgtgtta | tttcaatatg | 18000 |
| ctatcatcct | catcttgcta | tatttcattc | aatatatgta | tatatataaa | gatagattaa | 18060 |
| aattatttta | attttatgct | tatgaatggt | ttgcctaagt | atattgcacc | tttgtgtgtc | 18120 |
| agtgtccaca | gaactcagaa | gaaagtgtca | catattctgg | aactggaatt | gcaggtggtt | 18180 |
| gtaagccacc | atgtgggacc | tggaaaccaa | atccaggcgc | cannnnnnnn | nnnnnnnnnn | 18240 |
| nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | 18300 |
| nnnnnnnnnn | nnnnnnnnnn | nncccttggt | caaagatcct | cagtttcgac | tttgattacc | 18360 |
| cagacttcct | gtttctctca | tggaaacagtt | tccccctgag | atttactagt | ggaagaaaag | 18420 |
| cactcaaaaa | gcaggagacc | ctcgtacaaa | tgagacttcc | tagctatata | attaggccga | 18480 |
| gatgcacaca | tccacagtca | ttacccttct | tcagagcctt | tgcatgtca | agtgtatttc | 18540 |
| gcccattgtga | actttagaac | tggcttggtg | tgtttcataa | aaagtgtagt | tgggctcttg | 18600 |
| attgggattg | tgttaaattt | atagattcat | ttagggagag | ctgacaactt | tacagtatta | 18660 |
| aatgttttca | tccgcggaaa | agggtgtctt | gccacttact | tgggctttct | tttatgccct | 18720 |
| taagtaaagg | tttatagttt | tctttatata | agtcttgcac | atttcctggt | agattttattt | 18780 |
| ttgcttgtaa | ggtttccctg | gttggtattg | tgtataaaca | ttttctccca | attacatacc | 18840 |
| ataattgatg | gttaggagta | taaataaaa | gtagaatttt | aaaattgctg | tatgaatgac | 18900 |
| tgctttgcta | taattcaaca | tcttttcatt | tttatgccaa | tctacttgac | atgttttaggt | 18960 |
| taaatgatga | tatctgtaca | gagtaatcct | ctgatccagt | atttgcacat | cttactttct | 19020 |
| aacgtccata | gcatagatata | acatcttata | ctggttagta | catatatatt | taaggatttt | 19080 |
| accatagtct | tataatatgc | agcgtgcttt | ggttcaagac | agttgccctg | tggtcctcaa | 19140 |
| cattaacatt | tttttcatca | caaatacaca | ttgaccttta | tcaaattttt | aaaactatct | 19200 |
| tgagagaaat | gacctttttt | cttaatctgt | taattgtaaaa | tttttataaa | aatagttata | 19260 |
| aataatatta | gcctacatat | ttcttctggt | ctctttttca | actcttagaa | tcagagtatg | 19320 |
| gtagtctcag | actaaaccag | gagcttccta | tctgtttctc | tggtcttaag | tcacttatat | 19380 |
| aatgtaagga | tgctgtgtat | atctgccagc | taggccttat | atacaaaaag | cacctatcac | 19440 |

| | | | | | | |
|-------------|-------------|-------------|-------------|-------------|-------------|-------|
| aaccttctaa | aacagtctta | ccacttagag | accatgttca | aacatatggg | cctttgaggt | 19500 |
| aattgccaca | ttcaagctat | aatattgtta | tctaagggaa | tatcttcact | tctagcagat | 19560 |
| gcctaaaaat | atctaaaggt | aaacactggg | aattgctgtg | tttgttgatg | ctgctcttcc | 19620 |
| tcctcctcct | cctcctcttc | ctcctcttct | tcctcctcct | cttcttcctc | ctcctgcttc | 19680 |
| tccttttctt | catcctcctt | tcttttctta | tttttgaggc | atgatttcac | catgtagccc | 19740 |
| taggtaaccc | gtaacttact | atgtatgtag | accaggctag | cctctgtctc | ctgagtgtct | 19800 |
| atattaaagg | tgtgtatcac | catatccagc | aacacttgct | ttgagatggg | tagaggaaaa | 19860 |
| aaaaatatac | gtaaataaag | atggatgcca | attactaaat | tgttacttcc | agtcaaacct | 19920 |
| tgtacctagt | ctaaggccaa | aatagggatt | ttttttctac | tttgcaagtt | ggctccatta | 19980 |
| agaggctttt | cttctcttgg | tctcactaga | taggaaggag | agagaggagg | gaaggagaga | 20040 |
| aagcggttga | ggagtgaggag | gtagtgtgac | cgagaatacc | cagtaggctc | atataattaa | 20100 |
| atatttgggt | cctagttgat | agaactgttt | agaagatta | ggaagcatgt | cctagggggt | 20160 |
| ttgaggtttc | aaaatttaat | gctagaccca | gtctttcaag | ggagggggcg | gtctgtctct | 20220 |
| ctctgcctgc | tgcattgcaga | gctctcagct | actactctag | tgtcaagcct | gtgtgcttcc | 20280 |
| tgcctcaatg | atcataaatt | aactgtaagc | aagcctccaa | ttaaatgctt | tcttttatag | 20340 |
| ttaccgtgat | catgggtgtct | cttcacagaa | atagtaacct | gtgggtgattt | taatatgcct | 20400 |
| ggaccaggga | gtggcacttt | taggaggaat | ggccttggtt | agaggaagtg | tgtctctgtg | 20460 |
| ggggtgggca | atgagaccct | cgtcctaacc | atgtgagaac | cactcttctc | ctattggcct | 20520 |
| tcagatgaag | atgtagaact | ctcagatcca | cctgcaccat | gtctgcctgg | aagctgcctt | 20580 |
| tgttcccacc | ttgctgcccc | aattaaatgt | tgtacttata | agaattgttt | ttgggggggt | 20640 |
| ggagagatgg | ctcagcagtt | aagagtactg | actgctcttc | cagaggctct | gagttcaatt | 20700 |
| cccagcaacc | acatgggtggc | tcacaacctg | ctgttaatggg | atctgatgcc | accttctggt | 20760 |
| gtgtcagaag | acaggacagt | ataccacacat | acattaaata | aataaaataaa | taaaataaata | 20820 |
| aattcttttt | aaaaaagaat | tgttttgggt | atgggtgtctg | ttcacagcag | taaaacccta | 20880 |
| acataaccct | gactaagaca | acaagtgagg | aaagggtgtg | tgtgacactc | tggatctctg | 20940 |
| gaagctcacc | tcagcatgaa | gcttgtcgaa | gcgnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | 21000 |
| nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | 21060 |
| nnnnnnnnnn | nnnatctaag | tacactgtac | tgtcttcaga | cacaccagaa | gagggtgtca | 21120 |
| gatctcatga | cagaggttgt | gaactcagac | ctttggaaga | gcaatcagtg | ctcttaactg | 21180 |
| ctgagcatct | ctccagcccc | aaataattct | tactagtaac | atggaacaat | caagttttat | 21240 |
| tatatgatac | acttataatca | acttataagt | acatgattat | gcacatttat | catatcgtgc | 21300 |
| aaccatcact | gctgtcgttt | tgttttgttt | tgttcttttg | aggcccgggt | tctgtgttgt | 21360 |
| tctggaactc | actctgtaga | ccaggctggg | cttgaactca | atgatctgcc | tgcctctgcc | 21420 |
| tcccaagtgc | tgaaaacaaa | tgtgtgcacc | accacctctg | gctatcactg | ctgtcttttt | 21480 |
| ttttttttta | acagttattt | atttcgtgca | tgcattgtgtg | tataagcatg | taacgtatgc | 21540 |
| catggtatgc | atgtggagggt | cagaggacaa | ctttcaggag | ttagttcttt | cctcccactg | 21600 |
| tgggttctag | gaaccaagct | caggttgtta | gacttgcattg | gcaagtgcct | ttaccacaga | 21660 |
| gccatcctgc | tggccctact | ataggctcct | atataaaaaag | atcatatgcc | gggcaaaaac | 21720 |
| caaacaacaaa | ataaacctca | aaaaacaaaa | ggaccatata | atattgtggg | ggagtggatg | 21780 |
| aagtccgtgaa | cgaattgtgt | ctggtgacct | gtctgtactt | cagaccatg | ggaattggca | 21840 |
| aagccttctc | ctggctcctgt | gaggatgctg | atagtctgtc | taaaaactag | agatcacagc | 21900 |
| tttctcctct | ggatgactgt | aaccccagat | tgttctctct | cagagactgt | ccaccaagct | 21960 |
| accctgccta | cttaagctgt | acacaatgaa | tgagctgagt | ttccagggtta | cagcacagta | 22020 |
| gacactgtcc | atcagtgaga | gcacagccta | gcctaacagt | acacatgtct | gctttcttca | 22080 |
| cgtttccaga | accaagcctt | gctggataga | gcatatttgt | ctgtttgggt | tatttcaactt | 22140 |
| gataaaaagt | tttcaaggag | ggccagggtgt | ggtggcacac | gccttttagtc | ccagcactcg | 22200 |
| ggaggcagag | gcaggcaaat | ttctgagttc | gatgccagcc | tgggtctacaa | agtgagttcc | 22260 |
| aggacagcca | gggctatata | gagaaaccct | gtctcaaaaa | acaaaaaaaa | acaaaaacaa | 22320 |
| aacaaaacaaa | caaaacaaca | aaaagccaaa | aatccaacc | cccccaaaaa | aaaaacccaaa | 22380 |
| ccaaaaacca | aaaaacaaca | acaacaaaaa | gtttttgagg | tttaatttat | tgcattgtcac | 22440 |
| agaatttcac | tgttttaaaaa | aatggctgaa | taatatttca | ctatccattc | acgtatttgt | 22500 |
| aggcattcat | gtgtgtagtgt | gtttaaataa | aaatagcccc | cataggcttc | tacagttgaa | 22560 |
| tgcttagtca | ttgagttagca | gtactagaga | gggaattgaa | ggtgtggcct | tattggagta | 22620 |
| ggagtggcct | tgttgcagga | attgtgtcac | tttgagggtcc | cagcaacaag | gttgctctga | 22680 |
| tcacatccaa | agacattcta | ggtctatgtg | atctggctgg | aattcagaca | tgcccttaat | 22740 |
| acacaccttt | aatcccaaac | aatgaaggta | aagttagttt | ataaaaaaga | gcacccatgt | 22800 |
| ttgaaagtga | cgttttaatta | agagtgtatga | attagagaaa | gatctgctgt | cacagagcag | 22860 |
| agaggaaaga | tgggcagcat | aagagggagc | atggcagagg | gagagggagg | aggggttttc | 22920 |
| accagggcac | gtgtacagag | acagggttgag | gagctagaac | aggtgaagac | agaacaagcc | 22980 |
| agagaatgag | aaggagccag | gagattagga | cagattgcca | atgttaatat | gctaagcaga | 23040 |
| gcatttttagt | cagaaactga | gagaagtcaa | attgaatcag | ttagcttgga | aaggagtttg | 23100 |
| agcagcaaca | gctgagttaa | actagccaac | agaatccaga | aagaactaga | aaagatgagc | 23160 |

| | | | | | | |
|-------------|-------------|-------------|-------------|-------------|-------------|-------|
| ttactcagca | gcaaatctca | gaggctaaaa | acatccttaga | cctagattag | actgcatgga | 23220 |
| ggctagacgc | ttccagggct | aggcctaggt | tagcagacgc | agagagtaat | aagccttgga | 23280 |
| gacaacagtt | aatacagaag | actatgtaca | gacatggata | tgaacctctc | agccacttct | 23340 |
| ccagcgtcat | gcctgtctgc | attgttagga | gtcatctagg | aaaggctaag | ggcaggcaag | 23400 |
| caacttttcc | agagatggtc | cactgttttt | tgcattggctt | ttgagaggcg | agctctgaga | 23460 |
| gggaagggttc | caagagactt | catcccagga | ttgctgctta | attacgacat | gccttttctt | 23520 |
| gtcactgtta | tttagtataa | tgactcctga | gcttttagccc | atcctattgg | gcataatttc | 23580 |
| tgcagatcaa | cataaagatg | aacttttcaca | aattaatgct | gttttagatga | ataaatgatt | 23640 |
| ttataaaatt | cctgatttga | tttaaataat | tttaggaaga | aagcttttagg | agatagttta | 23700 |
| gttggtttgc | cagaaagatg | taataacgtc | agaatcaaga | atagaatgtg | gctgggcagt | 23760 |
| ggtggcagat | gcctttaatc | ctagcacttc | ggaggcagag | ataggcggat | ttctgagttc | 23820 |
| gaggacagcc | tgggtctacag | agtgaagtcc | aggacagcca | gggctacaca | gagaaacctc | 23880 |
| gtcttgaaaa | acaaaacaaa | aagaaaagta | agtaaaggct | gcataataaa | gaatacaaatg | 23940 |
| agcttttcaca | actacaccaa | aaagagacat | gcttgggaca | aatttgtgat | caaggaaaaa | 24000 |
| tattcattct | agatcaggtc | caaggatgaa | gccacaagtg | tgtgatatga | tgaacaagac | 24060 |
| catggataaa | ctgttggttt | gagcttaaag | aataaaacac | tgctttgaaa | ttaactatca | 24120 |
| acattctact | gtaactttcc | tttttataaa | ttttatctat | gagataattt | tctaaagaac | 24180 |
| ttgtgtctat | aaaggatatag | aaggacagag | agaaagaaat | aagggtgtggc | atctgggctc | 24240 |
| tgctccatcc | acccaaataa | atatgtgtgt | gtgtgtatgt | atgtatgtat | gtttatctat | 24300 |
| atgtatgtat | atacatacat | gtgtaggtag | gtatatgtgt | atgtatataa | gtatgcata | 24360 |
| acacttggga | agttgatgag | acaagtgaga | ggttgggccc | ccnnnnnnnn | nnnnnnnnnn | 24420 |
| nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | 24480 |
| nnnnnnnnnn | nnnnnnnnnn | nngaattcac | tctgtaaacc | atgctggcct | tgaactcaga | 24540 |
| gaaccgtgtg | cctctgcctc | taaagtgtcg | ggattaaagc | atgtaccacc | acaaccagc | 24600 |
| tagtttaaat | gtttcttatt | tttttgttta | tgggtctttt | acctgtatgt | atgtgtgtgc | 24660 |
| accatgtgga | tgcattggtc | ccttagagtc | cagaagaggg | tatcagatcc | cctggaactg | 24720 |
| gagtgacaga | gggttgtgag | ctgggacttg | aacctaggac | ttctaaaaga | gcagcagggtg | 24780 |
| ctcttaatat | ctgagcctta | tctccaggcc | gtcccatgga | tttggggggc | tttgtttcat | 24840 |
| tttattttgt | tttgagacag | gggtgtgtagc | tcatgcttga | atttactatg | aagccctgac | 24900 |
| tcccctcaaa | gtaaagatcc | tctgtcctct | gtctacagct | gctaggattc | gaggtcctgt | 24960 |
| accacatgct | cagcacagcc | atgattcata | acaataaaaa | aagaaagaga | gacctaaatg | 25020 |
| gccttagaga | taaataaatt | attttttttt | taaagattta | tttatttatt | tattacatgt | 25080 |
| aatgcacact | gtagctgtct | tcagaccccc | cagaagaggg | agtcagatct | cattacagat | 25140 |
| ggttgtgagc | caccatgtgg | ttgctgggat | ttgaacttcg | gaccttcgga | agagcagtcg | 25200 |
| ggtgctctta | cccactgagc | catctcacca | gccccgagat | aaataaatta | taatgtatgc | 25260 |
| gtaagggtggg | atcatctcag | tctccgggaa | tcttgccctgt | tactccttcg | ctctcccttc | 25320 |
| tattcatgct | tgggtaactg | gccctggctg | attgatgaga | gctgatttcc | ccactgccct | 25380 |
| gtggcagggga | ccactgcgcc | cacagggctc | cctcaggatc | ctcagtacag | agctgcacag | 25440 |
| ctgggtggaa | gtagagggct | gcataataaa | cacgatctca | actttatttc | tttaaataaa | 25500 |
| aatttttatt | aaattttata | cagctctata | taaacgaagg | aactattgaa | gggtcagcaa | 25560 |
| ggacctgcca | acggttgtca | agggtaattg | cgatgtagt | attttttttc | ccccctccat | 25620 |
| tttacttcca | tactttctac | attacccccc | aactggcaag | tattatttta | aaatgaaagt | 25680 |
| aaatagtac | agatgacttt | gaaggaaaaa | tgaatcggt | aaaagaaagc | tgagagacca | 25740 |
| cccgggaagc | ccaggctaaa | tgtaatctgg | gtcaggcctc | ccaggcctgg | gggtcacaaga | 25800 |
| tggtcagctg | agggaccctg | gtgaccctct | tgggccagca | gggacgggga | ggagccggaa | 25860 |
| gctgagtacc | caaagtgtct | ctctgggctc | caagggcctg | cacagagact | gtgtgggaat | 25920 |
| caaaggatac | aggcatgagg | actgaggcct | gacgaaccca | gctatcattc | gtcctagaac | 25980 |
| aggaggcaga | gctccaagag | tccaaccaag | aggcaggaag | ctttgggacc | cgagatgggc | 26040 |
| gatgggatta | gaaaggcatg | tttgcaataa | ctttcaaat | tacgatgcac | actcactgga | 26100 |
| aacccacccc | ctgggtgtcc | cttccctgcc | tcttgccaca | cccaatagct | gacatcactg | 26160 |
| gagaaagtcc | caagaccagg | ctggctggag | ctcctgatag | gttccaccct | cctgcagagg | 26220 |
| gccctcgaag | actagcttgc | tgcgccacac | cgccagatgt | ctgtgtcttt | ctctcttttg | 26280 |
| cctccacccc | tcgtctcttc | ctccaacctc | agtggagggt | ccctgcttc | ctggggaaag | 26340 |
| tagaacttgc | cagtgtctac | tgtaatgtcg | tccctgtagg | tgctatggtc | ccccattact | 26400 |
| gggagcaggt | atgcctcaga | tctccctcta | ttcgtgccc | tttcaggctg | tctcagtttc | 26460 |
| tctctgacag | ttcctctcct | cctgaatcct | gcttgttggc | atgcgaacag | gctcaatatc | 26520 |
| ttccatctca | aaaaacaaac | actgggaagg | tgttgagaga | cagagagcat | gggtaatggg | 26580 |
| tgccccagct | tgggtgggaa | ggggtaactt | acaatgtctc | actgccagct | agggtagctg | 26640 |
| cagttgtcaa | tttaattgtaa | atttcaaaat | agctagtaga | gaggatttta | gatgttccca | 26700 |
| atcccaacac | aaagaaatga | taaacattca | aggcgatggg | tatgctaatt | gctctgatct | 26760 |
| gatcaccgca | cattgtatac | atgtttttga | aatgtcaggc | tgtaccccat | aaatatgtac | 26820 |
| aattaccgtg | cagtgtattca | agataaaaaa | tataatttta | aaaagctaaa | aacagaagga | 26880 |

| | | | | | | |
|------------|------------|-------------|-------------|-------------|-------------|-------|
| aatagctgcc | cttgaccccc | ccacccccac | aaggctcttc | ctgtttgtcc | agccacttaa | 26940 |
| tgtagagct | tctgttgga | gggtggtttt | ggtgtacaca | gacactcctt | cctccctcct | 27000 |
| tcccataag | aggagtcacc | cctgtcccac | gatgccatgc | agggccacat | gcggtgatatt | 27060 |
| aaccagtaag | atgtgagcag | ggatgatacc | tgtctcttat | aacaaacgga | aaaaaaacca | 27120 |
| caccaaacca | aaaacaaaca | aacaaacaaa | caaacaaaaa | caggggttgg | ctgtccctgt | 27180 |
| gtcttttccc | acataaagtt | aagcacacaa | agtagccacc | atztatttat | ttgtcccttc | 27240 |
| ccccaccct | ccccgagaca | atgtttctct | gtataacagc | cctagctgtc | ttggaactca | 27300 |
| ttttgtagac | caggctggcc | tggaactcac | agagacacag | agattcacct | gcctctgcct | 27360 |
| cccaaagtca | gggattaaaa | gcatgagcca | cgaactaacc | agtacccag | agctcttgac | 27420 |
| tctagctgca | tacgtatcaa | aagatgacct | agttggccat | caactggaaag | agaggcccat | 27480 |
| tggacacgca | aactgtatat | gcctcagtag | aggggaacgc | cagggccaaa | aaaatgggaa | 27540 |
| tgggtgggta | gggaagtggg | ggggagggta | tggnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | 27600 |
| nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | 27660 |
| nnnnnnnnnn | nnnggcagga | tctgtgttc | atgtgcaaca | ctcgatgcaa | gctgtgtagt | 27720 |
| gtttggttct | gagcacctga | aggggaccaa | gcaggtgat | gccaggcca | cgggttcttt | 27780 |
| ctggccccac | tgccactcc | cacctctg | catccccatg | atgaacatgg | ccacagatca | 27840 |
| cactactctg | ctcctctccc | agatccacgg | agccataggg | tccccagatt | catctctgca | 27900 |
| gctaacaagc | tgggcagtgt | cacctccctc | aaggttcctt | tctgtctctg | agcagcagtg | 27960 |
| tctcccacag | tgagacactc | atgtccactg | gaagatattg | tagccattaa | attcctgtgc | 28020 |
| taaaataact | agggggactt | gtcaatcact | acactcttag | ccccggactt | ctgactcata | 28080 |
| gaggggtggt | acagctcagg | gacctgcatt | ctaccaaata | gccatgtgtc | cctgatggag | 28140 |
| gaactgcccc | tggaacaact | ctgcagcaac | tgaacctctc | gtgggtctct | agttcttctg | 28200 |
| gacaggtgtg | accccagtac | ctagtgccag | gtgagagagt | gctagggcca | cactaagggg | 28260 |
| tgacaggaca | aggttgagac | tggtagatgt | ttggggccacc | aaagagaaca | ggtcagtagt | 28320 |
| aaaagccatc | atggcctgag | ccagcctg | agtctctctc | gcagttggga | cactcttgca | 28380 |
| gtgtcctggg | gacctcttga | gggtagcatg | gtcaccaaaa | tcctacaagg | acagatcaga | 28440 |
| agttagtgag | gtcaagggaa | cagctctagg | ttctctgtgt | ccctcacgga | cctttttttt | 28500 |
| tttttttttt | tttttaagat | ttatttat | attatatgta | agtacactgt | agctgtcttc | 28560 |
| agacagctcc | agaagagggc | atcagatttc | gttacggatg | gttgtgagcc | accatgtggt | 28620 |
| tgctgggatt | tgaactcagg | accttcggaa | gagcagtcgg | tgctcttaac | cactgagcca | 28680 |
| tctctccagc | ccccctcag | tctgatgcg | acagggcagc | aaaggccttg | tcccagatct | 28740 |
| gaggagagtc | atctgaagt | ccttctacc | ccacctctc | cgaacctctg | aacatcagcc | 28800 |
| ccataactac | tgactcccc | acccccattc | ccttgcttcc | actgatccgg | tctcctctt | 28860 |
| ccctctggcc | ccacctatc | ttccccagcc | ccacctgatt | gtacctgggt | gtccaacttg | 28920 |
| aagagggcag | gcaggggcag | cttctgctgg | gcctgctcac | tcactggctg | tagaaatgag | 28980 |
| aaaggagatg | aagaaaaggc | ccttcccattg | ggtccccatc | ttgccaagac | ataggtgagt | 29040 |
| ccctttggct | cttcccccta | aacctctcac | ttttgagtag | ctgctggccc | gggagatcca | 29100 |
| cggcgctcac | cggagagaa | tggtgagaaa | aggggagaaca | gagaactcag | cgttcctccc | 29160 |
| tctccaccct | tctggcctct | cccagatttg | ccccgcctcc | ccagcatctc | cctcagctcg | 29220 |
| actgaccact | tcccactcag | acctcagctc | tgctcaccg | tgaacacagg | accttgaggg | 29280 |
| caggacaagc | tgagtacgag | gagcccccg | agcagtcca | tgttcctgta | tccagaacag | 29340 |
| ggagtgttag | ttcctacctc | acgctcgaag | gccaagcagt | agactgctat | ccatgggttc | 29400 |
| cttgaccgca | ccaggctg | gaacctggac | tcaaaacata | gcagctgtgg | acctcactca | 29460 |
| ctctgagagg | tgggatttcc | ataagctttt | tttttcacct | gtacatttag | tcttcattct | 29520 |
| tttcgtctta | cactgtggat | cagtccctgg | ttcaaattta | aagccctcat | ccttgcaagag | 29580 |
| gaccttgccg | atctcccttc | atgcctttgg | ccttaccctg | tcttggtaat | tcatggcaga | 29640 |
| agttcttctc | gtcccatatg | agatgttgag | gacccaaata | agaatctctg | taaatactga | 29700 |
| gcatgatgcc | tgccccccac | cctagcaaag | ccacctgacc | tggtgttcat | ttcatccagc | 29760 |
| ctttctcagg | ctgcccctgt | cctacccaaa | ggctctgaga | gctaactctg | gctggcaggg | 29820 |
| cagccagaaa | cttctttgtt | gaccaatgaa | tgactggccc | agacaccttt | ggacttacgg | 29880 |
| gaactacaag | cctcatccca | cttctgtctc | aagttctgat | ccaggggtgct | tcgggggaagc | 29940 |
| ccagctggcg | gaagggggga | ggctctcagc | ctagagagcc | ttcctttcca | tcctcagccc | 30000 |
| cctaccagag | ccttatttca | ggcaccagct | cttctaaaag | gtccttctgt | tatccctaga | 30060 |
| cctccacaac | tgtgttcaag | aaccttcagc | cagggcctca | tctccaatct | ggatatatga | 30120 |
| tttttctcgc | caagagtagg | cctccaggtt | ttggagttct | agagggtttct | cctggagctg | 30180 |
| cctggacctc | tgtcctcac | cacccagga | cgctgtgaag | ctgcaggctc | cctgaataaa | 30240 |
| ttcatccaga | ccccctgcca | aggtgccagc | tgtctacttc | ctctgctgcc | caagcagcag | 30300 |
| gctgcaccac | ccctccatcc | tacctcttca | ggcttcttag | cgcagcacac | gcagcacacg | 30360 |
| gtgttctcct | gcagagctt | gtccccacg | ctccccagt | gcagccagca | gggcctagct | 30420 |
| ctctcctccc | acaggacctt | tgctctcagc | caacccccgt | tcagcttgtg | ttcagtgctg | 30480 |
| gtaaatattg | acctgtacat | ccggttaaac | attgatattg | gggccagaag | accctttccc | 30540 |
| atcaaggcta | cccagaacct | tgcttgagcc | tggagaaggg | gtttacagga | gcagataagt | 30600 |

| | | | | | | |
|-------------|-------------|-------------|-------------|-------------|-------------|-------|
| gaggaggttg | ggcctggcaa | gccttcta | gatccctcaa | cataggggat | tatccacagt | 30660 |
| cagtgaggct | cagagaggct | gtgtggcctg | tgtaaggggc | cagagtgggc | tccagagtca | 30720 |
| cagccaaagt | cccaccacca | ccaccaccac | caccaccacc | accaccacca | ctaccaccac | 30780 |
| caccaccacc | accaccacca | ccaccaccac | caccaccact | accaccacca | ccaccaccac | 30840 |
| caccaccacc | accaccacca | ccaccaccac | cacctcatct | accataacta | antttaggct | 30900 |
| nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | 30960 |
| nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | tctatgaggg | ttacatttta | 31020 |
| gaacatctct | ccttttttcc | tttttgagac | aatcttacta | tatttaggct | ccccttgaac | 31080 |
| gtgtgatcct | tctgcctctg | cctcccaagt | gctgagggtta | caggcatgca | cagtcacatc | 31140 |
| tgctacacac | atgtcttagc | agcccttagc | agcaccaggg | gtcaggaagc | cctcaactgt | 31200 |
| cccttttagct | ggcttctctt | gtgaagggct | atgtcttctt | ccccttccta | gcatggagac | 31260 |
| ggctcttagc | cccagagcct | tccttccttc | aggtaaaca | gcaccagttt | ttggtgggac | 31320 |
| ctcccatttc | ctctatcttc | cctaagcaac | gaccttttct | gctctgactc | tcactctggca | 31380 |
| cttggaaccac | aagacaaaac | tgcagcctgg | gctgtgtgtc | ctcgcacatc | attcctgtgc | 31440 |
| ccccctggag | tcaggtctag | gggaggaaga | cagggttcac | gactcagaaa | agaccactgg | 31500 |
| ctgtcctagt | gtgccctcac | ccatcctata | gcacgcacat | gctgatgtgc | cccctccgct | 31560 |
| ccatcaccat | cctctcatgt | acacgtgccc | tccctcgcca | gacacatgca | tcactaactt | 31620 |
| ttctgacttc | ccagaaaaat | atctgatctg | agaagttagg | agtctgccat | catcagctat | 31680 |
| ggtccttaaa | attaagtcag | acaatccatg | ggacatgaag | ggcaacaacg | agaagactcc | 31740 |
| tcgttccttg | ttcactctgc | ttttggcagc | accaccagca | ggaaccaacc | tggtctctcc | 31800 |
| taatccctca | tctatagcag | gtctcccggg | gggaatttta | gggacctctg | tgttctcatc | 31860 |
| caggggcact | gccactcagc | tgctcaggga | gagacccttc | agaacaacaa | agaaatcaat | 31920 |
| gcagatttag | gcttcttggt | tccttctcca | gcccctccca | tcacaggcaa | cagcctccct | 31980 |
| tggctgagcc | tcaggaggct | gatttatcag | agaggtgtct | agagaggcac | ctctggctcc | 32040 |
| tctgggtagg | tagcaactga | gacaggagga | gatggtcacc | ctgggcatcc | tctaccagga | 32100 |
| agtaaagtga | atacccttgc | agatgggacc | cctgaagtgc | ctcccggggg | cgggggtggt | 32160 |
| ggtggtggga | gtctaagtca | cagatctttg | ttaccacgtg | gttagactga | ggactgaatc | 32220 |
| tgaggtggga | aatctgatgt | gcatggggaa | acacagaggt | ccaatgctgg | ccaagagcta | 32280 |
| caagcagggg | caggtgctag | ggggatgtct | gaatgttcca | ccccaaagca | caggaataac | 32340 |
| ggaaatggag | actctaaagg | gcagaaaagt | agggtgtgca | gcaggggctg | cacaggacac | 32400 |
| atgcaaggcc | ctggctgcaa | taactggggt | ggggaggcag | tcattggcta | gccaggggca | 32460 |
| ccaggacagt | gatgccatcc | tgtccaaagg | gcagtgtcca | agccagattt | ctaggctcca | 32520 |
| gggggaggag | gggtccggggg | gaggggtcaa | gattctcccc | ctctgagtca | aggttggcct | 32580 |
| tcccatgtgc | cccaaatacag | gaggcacaga | aactgggatg | ttgtgggtct | acatccaagc | 32640 |
| tgagaagaca | agtgggagcc | agtacatgtg | tttcagatta | aaccacgtcg | gagacaaaca | 32700 |
| tggtgtctct | cctcctccca | gagccaagct | gccttcaagc | cacatggcag | tgaatatgcg | 32760 |
| gacagtgcag | gggaggacac | ctctctctcc | actggctcaa | ggacagtttc | aaggggttca | 32820 |
| ggctggctgg | ctcatggcta | cgccgctcac | cccctggaca | gtttgggggt | tttccctcct | 32880 |
| gaaatcttgg | aatctgaatc | agcctgagat | accccataat | tgtacctccc | aacaccccca | 32940 |
| gaaaggtcag | ccctgcagaa | cagaactctt | tggtccccac | ccatccccct | cagcctggga | 33000 |
| ggctgaactg | atgggcagct | aaggtccaga | cagtggctgg | ctcttggaag | gcctgtctct | 33060 |
| ttccttttag | tcagaccact | ccctgccgtg | gcttacctca | ggaggtgcaa | gggctgcagg | 33120 |
| agggcagcca | gaccccacaa | accagctagg | ctaaatggtg | cttattgttc | gcaagaggcc | 33180 |
| atgacctcat | ttgtctccca | gctcttttgg | taagagagaa | tgagaggaag | ctggacagag | 33240 |
| aacctagcag | gcctcaggca | gccactgct | ccttgctgta | agggaaaccag | caccgatggg | 33300 |
| tctgaaaagc | agcgatccga | atggagtcag | gctgagctgc | aggaagctca | ccttccttgc | 33360 |
| tcactgctgg | tggaagcaac | ttcaggaaga | gccagccta | tgggactata | gctcctccgg | 33420 |
| ggtactgctg | agtccagccc | cagagcttag | ctccctgctt | cccaccaccc | accaccacat | 33480 |
| cctttcccaa | caccattcaa | aaccccagtc | cagcctctcc | tactggctca | cagtgcagcg | 33540 |
| ctaataagagt | cctgggcctc | tgtcccccca | attctctctc | ccctctcatc | tggtcacctt | 33600 |
| ggttcctaaa | ctgcaggggc | tactataacc | ctacctccac | ttccttgcac | ccctcttttc | 33660 |
| tgctctctgg | gggtgcccctg | ccactcccag | tcctcttagc | cagggagcct | cttccatata | 33720 |
| tgtcttcccc | aggctagacc | aggcgtgccc | ttacctgtgg | ttgcggcagc | ttctctcaca | 33780 |
| gcctgcactc | tgaggggctc | caggaagcag | tgaggggagt | agctgcctct | caaccagcgt | 33840 |
| ccagcaggct | tcagattaca | gctactcttt | tcttaaagtg | acctgactcc | atttggaatc | 33900 |
| tgtgattgca | tcattgtctg | gtgttaactt | taaccactct | ctgcccttcc | gccatgtggc | 33960 |
| tccaagacca | caggttggcc | acctcctct | cccaccacat | ctcccttgga | tctttatctc | 34020 |
| tcttcattgg | gaccttcatt | gggacatgat | ggctaacttc | aggggcactt | ggggcagcct | 34080 |
| ggggtaggtc | atgagtcctga | acttgaacat | ctgaaaggat | tggctgagag | gcaggctgca | 34140 |
| tggagagact | gtgagccagc | cggtatggag | atgtggggtt | cttccaggcg | cttggctctg | 34200 |
| gctcactgca | gggtgggagca | aggtgattct | tctccctctc | tcacctggaa | aatgaaggaa | 34260 |
| tgggactgta | cctgacagct | ctgaagggttc | caaaggacag | tgggggtggg | actagagagt | 34320 |

| | | | | | | |
|-------------|-------------|------------|-------------|-------------|-------------|-------|
| tggcccagtg | cttatgagca | ctggctgctc | tgcagagga | cctgagttct | gttcccagct | 34380 |
| cacatagcaa | ggactcgaaa | ctgcttgga | ctccagctcc | agagaatctg | acgctatctg | 34440 |
| ctnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | 34500 |
| nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | 34560 |
| catgccttta | atcctagaac | tcaggaggca | aagcagatgg | acatctgaat | ttgaggcccg | 34620 |
| cattgtctac | atagcaagtt | ctaggctagc | caggtagatc | ataagaacct | ttctcaaaaa | 34680 |
| ataaataggg | ccagttggca | aaatttagct | tgccctccta | acacaagaac | ccaaagtcaa | 34740 |
| ccccagcaac | catgtaaaaa | gaagcaaggt | gtgggtggcac | ttgcttgtga | tccagcattg | 34800 |
| tcaaggtgga | gacagacgga | tccatggggc | tcaactggcca | gccagctagc | tggtctactt | 34860 |
| agtatgctcc | cagccagtgga | gagactgaaa | aataaataaa | taaataaggg | gtaggaaga | 34920 |
| ggtaacatgg | tggctcagtg | agaaaagata | cttgtcatat | aagcctagca | accctcaatt | 34980 |
| ttcagtgggc | actaaaggtg | gaaggagaga | accaactcca | aagaattgtc | tcctgacagt | 35040 |
| tttatgctgt | ggtacacaca | cacgcacaca | cacacttggt | acatgcata | gcatacaatt | 35100 |
| aataatttaa | aatgttatgt | gtatgggtgt | tttgcctaca | tgcatatctt | tctgtgcacc | 35160 |
| acatgtgtgc | aatgcctgtg | aaggctagaa | gaggacatca | gatccccctg | gagttacaca | 35220 |
| gggttggttag | ctaccatgtg | gattctggga | acaaaacat | gggttttcca | aaagaggctc | 35280 |
| ttaatcactg | agccatctct | ccatccccct | aatagtatat | atttctgggg | ctggagagat | 35340 |
| ggctcagagg | ttaagagtat | tgactgctct | tccagaggtt | ctgagttcaa | ttcccagcaa | 35400 |
| ccacatggtg | gctcacaacc | atctgtaata | gaatctgatg | ccctcttctg | ctgtgtctga | 35460 |
| agacagctgc | agtgtactca | tatacataaa | gtaaataaat | aaaccttttt | tttttttgtt | 35520 |
| ttgttttttt | tgttttttga | gacagggaga | cagggtttct | ctgtatagcc | ctggctgtcc | 35580 |
| tgaactcgc | tctgtagacc | aggctggccc | tgaactcaga | aatccgcctg | cctctgcctc | 35640 |
| ccaagtgcg | ggattcaggg | tttgcgcacc | cgccaccacc | tccaaggctg | ctgctgcggc | 35700 |
| caccaccacc | ccaccaccac | actacctgac | tattttaact | ttaaaggcag | ccatctcatg | 35760 |
| gaaaatgaca | cctagcattg | tcctctggtc | cctacatgac | cccattgtga | aacacatacc | 35820 |
| tgcataaaca | cacataaata | cataagtaaa | cttagtctgg | ttgttttgga | aatgtgctat | 35880 |
| ggtttggtg | gtgtcccccc | aagggaaaaa | ttgggtccca | gagtagtact | attggaagag | 35940 |
| agtagaactg | ttagggttta | ggcctgggtg | gaagtggcca | tggctagaga | gacatgccaa | 36000 |
| ccaaggggaa | tctctggctt | catcttttcc | ctttgctttc | aggctcctaag | acagtcacaa | 36060 |
| ggctgcttca | ccacatgccc | agaagcaagg | ggagcagtc | tggctgggac | cgctaataga | 36120 |
| gctgttgatt | tccccagata | ttttagtag | taagagacag | gtgaggaacc | ccacagcaag | 36180 |
| tgtagtaaat | tggtggtgga | gggtgccctc | gggtgacggg | gccctcctgg | ggcaggacgt | 36240 |
| tcctcttcc | catccacctg | cactccgaga | acaggaaatg | gtgactttgg | cagagcttaa | 36300 |
| gcagagcccg | ttcatgttac | aagtatgtaa | attcataagg | accagtttct | ctccatata | 36360 |
| aacagcttca | aacaggagaa | ggaagaagca | aacattaagg | aaaagctctt | ttattgcaga | 36420 |
| ggctacactg | aagctaccgg | ccgccttcct | ggaatgtata | atcagcttcc | ctctgggggt | 36480 |
| tctgtagagc | actgagacat | taagtactac | tgggggtccag | gattctgcct | atgaagagga | 36540 |
| gggcccccg | gtccgtgtcc | ctcagaacaa | agaggaaagg | ttgggttaagg | tgatagtcta | 36600 |
| gcgggaaggt | gaggcggacg | ggctggaggc | ctgggctggg | gctgcttcc | gccccctctt | 36660 |
| cattccactc | gaaagcagcc | ctgtgttcca | cttgggtgag | cttcacgggt | ttgccagtaa | 36720 |
| tcttgctgaa | gtcgggtgat | tcaaacaacg | actgtagctc | tgtaggagatt | cagagattcc | 36780 |
| attaacacca | cacacacaca | cacacacaca | cacacacaca | cactccctgt | ttgtgtaggc | 36840 |
| tgattttcaa | gaaagcaagc | tagaagtgga | gtacctcaca | gtgacttgtg | agctatgagg | 36900 |
| cactctgtga | caggctcagt | gacctacctg | agaacttata | gccaagatgg | ctgaagccag | 36960 |
| acctggcctg | agagaatgtt | ttgggctgtt | ataggacaca | tagagataca | cacacacaca | 37020 |
| acacacacac | acaccaagga | ctgagtctaa | tgggaggtgg | ttcttcatte | ccctccccctg | 37080 |
| taatggtgtc | acatgttccc | tgagccaccc | tacaaagaaa | gccacaggac | tcagttctgt | 37140 |
| cagcaaggtg | gcaggctcca | agactcagcc | ccgagcgcaa | agtggccttg | caaacatact | 37200 |
| catgtcctgc | agagacttgg | taagttcgcc | ttcgaagctc | agcttcagct | tggggacagt | 37260 |
| cagcacagct | tggatagtct | tcagttctcg | gtcagatgtc | tgaatgaact | cagagggtgag | 37320 |
| gctctcttct | atcatggtca | agttctgggt | cacggctcagg | ggcaggaaga | agatgatgct | 37380 |
| catacttct | gtcaagggca | gctgggcaat | ctaaccacac | agagatgcgc | acagggttagt | 37440 |
| tgtgagccag | aaaaaacaaa | acaaacaaac | aaaaaacac | caacagctgc | cttccccctct | 37500 |
| gctgtaacgg | ggccccagcc | ttgtgctccc | cagcctcagc | ctgggctgta | ggctactgggt | 37560 |
| tactggcagt | ccttccatga | gtaggggagt | ttcttctcag | cctaaaaccc | acagaagttt | 37620 |
| aatgaacaca | cgtttgtttg | tggttccgct | acggtttcta | ttgtgataaa | acatgactga | 37680 |
| aagcaactga | gagaggaaa | ggtttatttc | atctgacaat | tgcaggggtg | tcttctcatc | 37740 |
| actaagggtg | ctcagggcag | gaactgaagc | ggaagcgtg | gaggaacgct | gcttctgggc | 37800 |
| ttgctccccg | tggcttctta | gcctgctttt | ttatgtatc | cagaaccact | tgcccaggag | 37860 |
| tgacactgcc | cattgtggggc | tgggcccccc | cacatcaatc | actaatctag | aaaatgacct | 37920 |
| acgggtttgc | ccagaggcca | gtctgggtgg | ggcattttat | caattgagtt | tcacccttcc | 37980 |
| aaatgactct | aacttgtgtc | aagttgacca | cacgaatcag | ggcctgggtc | ttaggagctg | 38040 |

| | | | | | | |
|-------------|-------------|-------------|-------------|-------------|-------------|-------|
| aagtggaatg | tccccagag | actgcctgcc | agcactgctg | accatttgct | ttgtatagag | 38100 |
| cattgaacca | gaaatgaaca | ataaaatgga | tcctttgaac | agatgtgttg | atcctagggc | 38160 |
| ctgtggacac | agcgactggg | cttcccagag | cccccatgga | atcannnnnn | nnnnnnnnnn | 38220 |
| nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | 38280 |
| nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | 38340 |
| gagagagaga | gagagagaga | ggataaaagg | ttagcccagt | ggtggtggca | cataccttta | 38400 |
| attccaacac | ttgagaggca | gaggcagggg | gagctctgtg | ggccagtttg | gtttacagag | 38460 |
| taagtttcag | aatagccagg | gctacacaga | gaaaccctgt | cttgaagaga | aacacacaca | 38520 |
| cacacacaca | cacacacaca | cacacacaaa | taagatcttt | aagaagaaaa | gaaaggatag | 38580 |
| tggggaaaca | tctgagcaga | ggaagaaaatg | gggtgctgag | gacaccacc | ctcagaggag | 38640 |
| gccctcactg | gaggtgtctg | cacaggagaa | cacttgctac | cagcttgccc | tagggcgctca | 38700 |
| gaactcagaa | ttcagtttca | aagcactgac | aggagcagt | actggggacc | ccaggttgaa | 38760 |
| tccccctttt | atctaaaatg | agtaagaacc | aaaaaaacaa | aagtgttttg | gattttggaat | 38820 |
| ctgggttatt | tgcattctaca | aaagaggtct | tggggaggaa | accagttct | acccctggaa | 38880 |
| ttcatcagtt | tcctataccg | ctgactacac | aggggctgaa | ggtaattctca | atgttttcat | 38940 |
| aactggtgtg | gtgctacttg | ctcatgatcc | caacacttgg | aaggtaggtc | agaagttcaa | 39000 |
| gagcagtctt | gactactcag | tgaatttgag | gctagcctgg | gctacatgaa | aactcataaa | 39060 |
| acaataaaaag | aaaagaaaag | gtggcgagtg | aggtggccca | tcaggtaaaa | gtgccaacca | 39120 |
| cctcgctga | aagcctccac | acggaagggg | aaagccagct | tctacatgtg | gtcctctgcc | 39180 |
| ctccgcatgc | accatggctc | gtgcaccccc | acaccacc | acccaccac | ccacatgaca | 39240 |
| taaatacttg | taatgattag | tttctgaaga | acaattttt | cgttgatctt | gttttagggaa | 39300 |
| caaagttctg | gcacattgac | ctgtcgaccg | tgtagtacgg | gatccgctcc | aggaagctaa | 39360 |
| agatttttgg | atgcttcatg | ttgcagctac | tctgatgaac | agtgttgctt | tctgggccag | 39420 |
| gtaatggtgg | catatacctt | tgatcccagc | acttgggagg | cagaagcatg | tagatctctg | 39480 |
| tgagttcgag | atcagcctgg | tctacagagt | gagttccagg | atatccaagg | ctatacagaa | 39540 |
| aaaccctgt | ctctaaaaat | cactaattta | aaaaaaaaatt | cctttctaaa | cctatatatac | 39600 |
| aaatgttttg | taggctgect | taacaaagcc | caatggccat | tcagagaagg | ctcaaaagag | 39660 |
| aaagtttagg | ggactctaca | agcatcctca | ggaaggccac | agaaagcaga | gcctgggccca | 39720 |
| gtgagacttt | gcagtgggca | aggttcagct | ctttatgtag | gaagaagaga | gtcaacagtc | 39780 |
| agagtccagc | tttccataaa | acctgtgcag | ggcctctagg | caaagccctg | tgttaggggc | 39840 |
| aaaggcattt | gcagcttaag | cccggtgaca | tgagctcaat | ccttgggaacc | caggtgggaag | 39900 |
| gagtgtgctg | actccacaaa | tttgtcctct | gatctataca | tgtatgcacg | tgcacgcaca | 39960 |
| ctcacataca | tgtccacatg | cacacatgca | tatacatgcg | catgcgtgca | cccacacaca | 40020 |
| gggtcaaaaag | cagcaagaga | tgccctgtga | aaaacgtctc | attcagtcctc | ccatcatcca | 40080 |
| gtgccacact | ctgagcacag | gtggtactga | tatcgttcct | gattgatcga | tcagttgatt | 40140 |
| tgagaccccc | cctcactatg | tagcccaggc | tggcctggaa | ctcacagtga | tcctcttgct | 40200 |
| tctgcaagat | gagcccatca | tgcccaccat | gttattgaag | caataccatg | ctctataaaag | 40260 |
| caaacctagg | caggcaggat | ggtggactcc | tgtaattctca | ggacttgaaa | agtagaaggg | 40320 |
| agatgaggag | ttcacatcaa | tctcccgtat | gcgttggagg | ctggagtggc | tgttccctgg | 40380 |
| gcgcttctgc | cagcacctga | ccaatgcaga | tgcagatgct | cacagccaac | catcagactg | 40440 |
| agctcgggac | cccagtggag | gtgctggggg | gaggactgga | ggagctgaga | cgggattgca | 40500 |
| agcccatagg | aagaacaatg | tcagctggcc | aaaccaccca | gagctcccag | ggactagacc | 40560 |
| acgaaccgag | gactgcacat | gaagggatcc | atggctccag | atgcatatgc | agcagaggac | 40620 |
| agccttgtct | gacagcatgg | gaggggaggc | cattggctct | gtggagggtt | gatgccccag | 40680 |
| tgttgaggga | tgctggagcg | gtggggcagg | agtgggtggg | taggtggggg | gcaccttcat | 40740 |
| agaggcaaaa | gggatggggg | agaaggcaga | tgggatgggg | gggttgtgga | ggggtaagaa | 40800 |
| agaaaaaaga | tgtctctgaa | agtaaaaagt | acttgtcact | aagcatgagg | atatgagtca | 40860 |
| acccccaaagc | cccacagggt | ggaaggagag | aaatgagtc | cacaagttat | tttctgatct | 40920 |
| atacgtgcaa | tccatggcat | acgcagaaac | gcaaagacag | acaatgagtt | gggtgtgggtg | 40980 |
| gtgcacatgt | aattccatca | ttcaggagac | agaagcagca | gagttgttgg | aaatctaagg | 41040 |
| ccaacctaaa | gacctacacc | caaagaagga | caaactataa | ggaaaaaggt | ggtcgaccac | 41100 |
| tgtaacatta | aagttagaaa | tctctcttca | cactgtgtag | atactgtaca | aggaagagaa | 41160 |
| aaggcagcca | catcaaaaca | gtgtaaataca | acgagaaaac | cagaaacaac | tcaagagaag | 41220 |
| gctgcagggg | cctgaattct | gttctcagaa | cctgcatcaa | gccaaagagaa | tcaaaactgt | 41280 |
| ctgtaactcc | agctccctgg | gatccaacac | ccatttcttg | cctccatcag | catcactcac | 41340 |
| aggtgtgcac | acatacacat | caataaaaaat | caaaaccagg | gatgaagggg | tagggagggtg | 41400 |
| catgtggatc | tgggaggagc | tgagaggcac | tgggtgaata | caataaaaaa | tttgggtgat | 41460 |
| ggtggtgcac | gcctttaatc | ccagcacttg | ggaggcagag | gcaggcgaat | ttctgagttc | 41520 |
| aagaccagcc | tggctctacg | agttagttcc | aggacagcca | ggtctacaca | gagaaacctt | 41580 |
| gtctcaaaaa | aacaaaaacag | ccgggcgggtg | gtggcacacg | cctttaatcc | cagcacttgg | 41640 |
| gaggcagagg | caggtggatt | tctgagttcg | aggccagcct | ggtctacaaa | gtgagttcca | 41700 |
| ggacagccag | ggctacacag | agaaaccctg | tcttgaaata | aataagcatt | tgttgctggt | 41760 |

| | | | | | | |
|-------------|------------|-------------|-------------|------------|-------------|-------|
| acagaaaact | ccagcccagt | ttccagcaca | cacagggtga | ctcacaacat | cataactcca | 41820 |
| cttccagggg | atccaatgcc | ttcttctgac | ctctgtgggc | accaggattg | catacagtg | 41880 |
| acagacatgc | acataggcaa | aacactcaca | aaataaaaata | aatctagcaa | aaaaaatttt | 41940 |
| aactaataat | ttaaagaaaa | aaataaggaa | gccgggggtg | gtgtcgcacg | cctttaatcc | 42000 |
| tagcacttgg | gagacagagg | caggcggatt | tctgagttcg | aggccagcct | ggtctacaaa | 42060 |
| agtgagttcc | aggacagcca | gggctacaca | gagaaaccct | gtcttgaaat | aaataaataa | 42120 |
| ataaaaaata | aggccaagta | attcttgga | gaatcccaag | gggacactaa | gtgtatatata | 42180 |
| aggcgttcca | tagggctagg | aatgaggcct | agcgagagca | acttcgctgg | tgtatgaaag | 42240 |
| tccctcagct | gcatgtggta | cctttaatct | aggctctccc | gaagcagagg | cagaaggatt | 42300 |
| tctgtgagtt | caaggccagc | ctgggtgtaca | tagctaagttc | caggacagaa | agggcgatat | 42360 |
| aatagaaaca | tctacctag | agcccnagca | aanaaagggg | agacctgaga | ccagagagat | 42420 |
| gactcagtg | ctaagagcat | tgactgctct | tccagaagtc | ntgagttcaa | ttcccagcta | 42480 |
| aaaattttatt | taaatgttta | ttacttgtat | tattatttaa | atttaaataa | ataagtaaata | 42540 |
| gggagcctag | gtttgagtc | ccaaatcacc | aagaaaaaat | gttatcattg | ctaataatca | 42600 |
| aattaagagc | ataagaactt | ctttttaaag | aattcttatt | tattttatgt | atgtaagaac | 42660 |
| actgtagctg | tcttcagaca | caccagaaga | gggcattgga | tcccattaca | gatgggtgtg | 42720 |
| agccaccatg | tagttgctgg | gaattgacct | caggacctct | agaagagcag | tctgtgctct | 42780 |
| taagtactga | gccatctcta | cagctcttat | caggttgata | aaatttaatc | tcgtaggagc | 42840 |
| ctgagaccaa | gaactaaagc | tgggagattg | aaaaatgcag | accaccaagg | ccctgctcat | 42900 |
| ttctccagtt | ctgatcagct | cccgtaccag | gggtctaacc | aggcctgtgt | ctgcttccct | 42960 |
| gagtagacca | gaggccccat | ctaaacagcc | tgctgcagc | agctcctctc | tctaggtgga | 43020 |
| cgatgggaa | tttcagacca | atgtcatttc | ccaggacatc | aacacagcag | ccaaatttat | 43080 |
| tgggtgctgtg | gctgccacag | ttggtgtggc | aggatcaggg | gctggcattg | gcacagtgtc | 43140 |
| tgattattgg | ctatgccagg | aaccagtctc | tcaagcagca | gctcttctcc | tatgccatgc | 43200 |
| tggggtttgc | cctgtctgag | gccatgggac | tcttctgttt | gatggtcgcc | ttcctcatcc | 43260 |
| tcttcgccat | gtgaggctcc | ctggggtcac | ccagccgtcc | ctgctgcctt | gactccatgc | 43320 |
| cagtcctgg | gctggagctc | actgagattt | accattaaac | agcaacgttt | ctctaaaata | 43380 |
| ctattaatta | attaattaat | cacgtgacaa | ccccagcgtc | catatgggtg | tggaaaatga | 43440 |
| ggaactctac | ccatcataca | tggcgactat | gaagaacaat | gtgacagaaa | atgctaacat | 43500 |
| catgtgtgac | cgcatgcac | agccctgact | gctaaaagt | gacaagccc | aagcgaaagc | 43560 |
| ccaatgttct | acttctaata | gcatgcacca | aacgcctccc | acaggaccag | aggtgcagct | 43620 |
| ctgatagggt | ccttgccctg | catgcatgaa | gctgtggaca | cgaggcatta | ttcgcaagaa | 43680 |
| cattctagct | gtctggagg | ccctcaatcc | actgtgttcg | cgctgttcca | gcaccagtgc | 43740 |
| ctcctggggc | tgcacctgaa | aaaggggact | gcttaagagg | gctcctacca | agcctactgc | 43800 |
| cacagatgca | tgatgggaaa | gccttctgga | agcaactggc | tgccaaaggc | tctggacaag | 43860 |
| agatcaccct | ctactggaaa | gggtggttca | gtctaggttc | tgtgggattc | caggaaatta | 43920 |
| gacaacactg | gcagtccaac | agacagacga | tctaaacttc | caaggcacag | ctggtagaac | 43980 |
| ttgctgcgga | accagacaac | aaggtagcag | ctactcccat | acaacataca | aaaaagcaga | 44040 |
| gagagagtca | gagacagaga | cacacagaga | gagacagaga | gagagtctaa | agagagtcag | 44100 |
| ggctcaggga | ctgagggtat | agtctactgt | agagcatttc | cccagcatat | acaagaccct | 44160 |
| ggattcaatc | tgaacacagg | aaaaaagggg | gggggggact | tcgattatct | caaattctcc | 44220 |
| tttttgtgac | acacccttaa | agtcactgcc | tacttccctc | accgccatga | agtaaagagc | 44280 |
| tgtttgcgct | tatgtctaca | cagtctcggc | tcccacttcc | tcctcccctc | tgcttctgtg | 44340 |
| ctcatctcct | ctgaaaccac | tgcagcaagt | gacttgtgtt | gactgccaca | cggaaactct | 44400 |
| cctcagtagc | aggcagcaga | gcagagctct | gtcttctcgg | agcttcttct | ctcttgtcgc | 44460 |
| cattttctcc | cacccttaag | taccctatct | tctctgtctc | tgttgttga | tccttggaac | 44520 |
| cttttccttt | ctatgaacaa | aatatctcct | taaaggatct | cttctagttc | aggggtcccc | 44580 |
| cgccccact | gtggagaaaa | cccagggcct | tgcacatgct | cagcaggagc | tccatccagt | 44640 |
| ctctagctcc | atgacttaaa | gcatctctgt | gctgtcaaat | atacacttcc | agcccttacc | 44700 |
| aaaatattca | tgcaactcct | tgccattcaa | aatggatgac | ctcaaagcca | gagtcagcgg | 44760 |
| tgctatgact | cccagatcca | tccacttgg | agcccaggaa | tgaactcann | nnnnnnnnnn | 44820 |
| nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | 44880 |
| nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnng | ttactgggat | ttgaactcag | gacctttgga | 44940 |
| agagcagcca | gtgttcttaa | ctgctgagcc | atctctccag | ccaccaccac | caccaccacc | 45000 |
| accaccacca | ccaccaccac | caccaccacca | ccaccgcgcc | ccacctgctc | attcctgatt | 45060 |
| ggttgggttag | tttagtctgt | gagacaggag | ctgtcccttt | tctatagtgg | aagggtgaata | 45120 |
| agaaactcct | gaaagtgaag | gcctacaaaa | cagccacact | tatttgttgg | aaaataactgt | 45180 |
| aaatgtgaca | tgtaaatata | tgctaaaaata | atctgttaag | tcagtgaaca | accttaaaac | 45240 |
| acagtctgta | gcctgaatta | cagacacgac | acgagccatg | acagaggctg | aaataagacg | 45300 |
| cctttgcaag | gagaaggcca | gaagcttcca | tccttgctag | caaactcttg | ttccaagctt | 45360 |
| tatcagattt | tattgctttc | tctttctgtt | tttctttatc | atatttgttt | atttgttggg | 45420 |
| ggaaagccta | atcttcatag | cccatgtatg | tgagcacttc | agcatatgtg | tgtgaacacc | 45480 |

| | | | | | | |
|-------------|-------------|-------------|-------------|-------------|-------------|-------|
| aacagcacac | gtgtatgagc | accacagcat | aggtgtgtga | gtaccacagc | acatgtgtgt | 45540 |
| gagtacgata | gcacgtgtat | agagttcaga | ggagaactga | gagagtccgt | cttttcctcc | 45600 |
| tactgtgtag | gtctcagggg | tggaaacttg | gctcagcctt | ggtggcaagc | tccttttatcc | 45660 |
| acagagtcac | cctgccagcc | cagctttctc | tttttctctc | tgttatgtct | atccactctg | 45720 |
| ttcaaggcta | actcactgac | tctgagttat | cagaactgct | tgtgagagca | ggagtaactt | 45780 |
| tggacatctg | tgctggtagg | aacaccatcc | ccactcggct | tggatgacga | aggggaaaaa | 45840 |
| aagcatcacc | aaggagttcc | accacctcaa | ccagcaaata | tttacctcct | atacatggat | 45900 |
| aggtgggggtg | ggtgagcctt | gtgattttatc | gttaggatct | catgggagtg | attacagctg | 45960 |
| gtctactcca | tgacccaaaat | ggtgacgggtg | gctgaccaa | aagaaacagc | tacacctggc | 46020 |
| tctagttttc | tttcttttctt | ttttctttttt | cttttaccct | acggtactaa | ggattgaacc | 46080 |
| caggaatgca | agagctctgc | caagtgaagct | acattcccag | atctgttttt | ccatttcttt | 46140 |
| ctttcctttt | agattttatt | tcgattttatt | tgtctatggt | tgtgtgtatg | tgtgtatgct | 46200 |
| tatgtgtacg | tatcagtatg | ccatgggtat | acagaaacct | gagaaggcca | gaagagagtg | 46260 |
| tctgggttac | aggagtttcg | agctgtcctg | tgggttctca | aatgcagcag | caccaccacc | 46320 |
| aatcaccccc | acccccaccc | agccttcgag | ttcaattctc | atcatcacia | aaacacacac | 46380 |
| acagacaagg | gcctgcaaga | tggctcagca | ggtaacgaag | ctcgtgtcat | aagcctgaga | 46440 |
| acctgagttc | actgtctgga | acccgcgtaa | agggggaagg | gaagaatcaa | ctctatgatg | 46500 |
| ttgtcctctg | ctctccccat | gtgtgccatg | gaatgaacag | ccctcccaaa | cacacatcaa | 46560 |
| gaataaataa | aactaaaatt | agcttagtaa | cttttatggt | gaaagtgggt | tttacatgcg | 46620 |
| tgggcaacaa | taacaccgag | agtagaaaag | caagcatgta | tgtcactgaa | cagcatgaa | 46680 |
| gaaaaaacia | acacatttcc | tgtacatcgt | tctgggagtc | tgagttaggg | ttctatgct | 46740 |
| gggataaaaa | caccctgaca | aaaattaac | tgggaggaa | gctgtttatt | tcagctttta | 46800 |
| tgtctacaac | atgacctgtc | acccagggaa | gtcagggcag | aaattcaaac | aggtcagaag | 46860 |
| cctggaggta | gaagctgata | cagaagccat | ggagctgctt | ctggcttgct | ctagcacaca | 46920 |
| ggagtactag | cctaggggct | gtactgccc | cagtgggcta | ggctctccca | cagcaatcat | 46980 |
| aaatttagaa | aatgcactac | aggtttgcac | acaggccaat | ctggtagggc | cattttctca | 47040 |
| attgaggttc | cttcttccaa | aaggacttta | gcttgcat | tgttgacata | aaaactagcc | 47100 |
| agcatattgg | gattatagat | attctcataa | aaaaaagaca | tttagattcc | cacataacac | 47160 |
| catattcaga | aattaactca | atgtgaacca | gaagctctga | aagtaagagt | taaaactatg | 47220 |
| aaaaattctt | acaaccatcc | ataacaaaa | tctgatgccc | tcttctggag | tgtctgaaga | 47280 |
| cagctacata | gtacacacat | ataaataaat | aaataaatat | ttaaaaaat | atatgaaaaa | 47340 |
| tcaggctggg | gagatggctc | agtgggtaag | agcaccgcag | tgctctttcg | aaagtccaga | 47400 |
| gttcaaattc | cagcaaccac | atgggtggctc | agaaccatcc | gtaataagat | ctgactccct | 47460 |
| cttctggagt | gtctgaagac | agctacagtg | tacttacata | taataaataa | ataaatctta | 47520 |
| aaaaaaaaaa | aaactatgaa | gaactatgaa | ctacaagaag | tcaggaatag | ggctgggggt | 47580 |
| gtaacccaac | agaaaaacac | ttgcctggcc | tgctgttggt | ctctagcacc | accaacgtag | 47640 |
| aaagagaaca | gcagaggatg | agggcatcct | gacttgagtc | aagtgacaag | tgataatcct | 47700 |
| cgagacacca | aaatcacat | gataaaaagag | atcaacaagt | tgggctttat | ctgaataaag | 47760 |
| agctgtgtcg | ttaaatacca | cgcaggaagt | gaagaggagc | tgagtctggt | aacacaggcc | 47820 |
| tgaaattcaa | gctactgggt | ggactgaggg | aggacaacag | ctagctcaag | gcccactctg | 47880 |
| acgccagagt | taactcagag | agcagcttgg | gtagctttta | tgagactctg | cccaggccag | 47940 |
| tgacacaggag | agatggctca | gtgggttaaga | gcattactcc | tcttgcaaa | gacctgagtt | 48000 |
| caattcccag | caccacagtg | ggcacttaca | atcatccata | actttagttt | caggggatcc | 48060 |
| aatgcccttt | tcacagtacc | aggcatgtac | acagtgcatt | tacatacata | catgcatgca | 48120 |
| tgcatacata | cacaggcaaa | acttacataa | aatactaagc | agataaatct | taaaagaagc | 48180 |
| cgggcgtggg | ggcgcatgct | tttaatccca | gcacttggga | ggcagaggca | ggtgtatttc | 48240 |
| tgagttcgag | gtcagcatgg | tctacagagt | gagttccagg | acagccaggga | ctacacagag | 48300 |
| aaaccctgtc | ttgaagaaaa | taaaaaaaaa | aaagaaaaaa | atcttaaaa | aaaaggagag | 48360 |
| gactggagag | atggctccac | agttaagaac | acttgctctg | aggtctacag | agtgaagttc | 48420 |
| aggacagcca | ggactatata | gagaaaccct | gtttcgaaaa | accaaaccac | aaacaacaac | 48480 |
| aacaacaaca | acaaaaccac | ttgttctttc | agaggacttt | ggtttgattc | tcagaatcca | 48540 |
| catgatgggt | cacaaccatc | agttgcaggg | atccaagggtc | ctgtcttctg | tgggcaccag | 48600 |
| gcatatatgt | ggtgtacata | catgtatata | ctcatataca | taaaataaaa | agttttaaaa | 48660 |
| aggaggctgg | gtttgtagcg | cagaggtaga | ggtaaaaaga | ctctagcttg | tttaatggtg | 48720 |
| acatgaaaaa | aaaaagacat | ttagattcct | gcatcacacc | atatccaaaa | attaactcaa | 48780 |
| tgtgaatcat | aagctctgaa | agtaagaata | agcctagtat | gcaactgtaag | gctctggggt | 48840 |
| cactccccag | cactgcaaaa | gatcatgaaa | ccagaaatgc | agatcctctg | aaccacagca | 48900 |
| tgggaatgta | actcagccga | tgcagtgtc | acctgtcgta | tacagagcac | aggataaatt | 48960 |
| gattgtgggtg | gtgcatacct | ataagctcac | tacgtggaaa | gtagaggcag | gacgacaaaa | 49020 |
| ggttcagtga | catccttggt | cacatagaga | atttgaggcc | agtctgggtc | gctgggtctat | 49080 |
| ttggaatgct | gtctcaataa | ataaaagaaa | gaaagaaaaa | gaaaagaaga | agtcctatga | 49140 |
| ttgtcttaac | ctctgacctc | tgtgttcac | aagtctctc | ctcagggaact | cactgggtcat | 49200 |

| | | | | | | |
|-------------|-------------|-------------|-------------|-------------|-------------|-------|
| cttgtgaaaa | cctaccccag | agtctctgtt | cagaggaccc | aggctccagc | tgtggttacc | 49260 |
| acataggatt | tttatactag | aaaaataaaa | tgaataagta | tgtatttttt | aaaaagggtg | 49320 |
| agagctggat | atgggtgggt | ctagttatag | catccagaac | tgagacagga | tagccatgag | 49380 |
| gttgagaaca | gctagactat | acgggtctca | caaacaaaag | taagggatct | gagtagatga | 49440 |
| ggtttttaatt | tttttctttg | tgtttgttac | ctaactgtga | tggttgtttt | gaatacatgc | 49500 |
| atgtctgtgt | atcacttgtg | tgccctgaaac | ccaaggaagc | cagaggaggg | catcgggtcc | 49560 |
| cccggaaagta | ttattacaga | aggttgtgag | cagccatgtg | gggtgctggga | atcaaatctg | 49620 |
| aaagagccac | ctcgggctgg | agagatggct | cagtgggttaa | gagcactcaa | tggctgctct | 49680 |
| tccagagggt | tggagatcaa | atcccagcaa | ctacatgggtg | gctcacaacc | atatgtaatg | 49740 |
| ggatccgatg | ccctcttctg | gtgtgtctga | agacagctaa | agtgtactca | aataaataga | 49800 |
| tcaaaaaaga | aaaaagaaac | agccacctct | ccactctccc | tttttaaaat | cctcttgccct | 49860 |
| ctgtccctta | atgtttaata | cacagggtata | tgatactatg | ccttgtttat | gaatagaaaa | 49920 |
| tacacgtgct | aaagcaagtg | tgaaccttaa | atacattatg | ctgagtaaaa | ggagtgaagt | 49980 |
| gcacacaaga | cttttctgct | caagagtatc | tgtatgaagt | attgaacatg | tgaactctga | 50040 |
| aatcgggagc | tgaggaagat | atggggagtt | ctaattggcta | caacatttct | ttttggaatg | 50100 |
| atgaggatgt | tctagaactc | aaaaatgggtg | ataactcagc | atatatacta | aaactcattg | 50160 |
| aattgtacac | tttaaatagaa | tgcaataaaa | cttgtctcag | taatgtgggt | tagaagatgt | 50220 |
| acagacatgt | gtgtgtgtgt | gttaaaaacat | ttcttggtcat | ggcaataaaa | atacagtttt | 50280 |
| agccagggtg | ttgtggctca | aaaaataatg | ataataacaa | taataaaaaat | aatgaaaaa | 50340 |
| gaggctggag | agatggctca | gcgggttaaga | acactgactg | ctcttccaga | ggctctgagt | 50400 |
| tcagttccca | gtaaccacat | gggtggttcac | agacatctgt | aatgggatct | gatgccctct | 50460 |
| tctgatgtgt | gtctggaaac | agctacagtg | aaagtcatgt | caaggacttt | acaatagtga | 50520 |
| ccatgataac | attgaagcta | gacttgctac | tactgctgag | tgtgtctgct | ggctctttct | 50580 |
| aaggagtaat | gttagctttt | tgtcctaaat | ttgtttcctt | cctttcctct | ctccctctgc | 50640 |
| tgttttttct | tacccctctt | ttactttgct | ttccctctct | atctcctctc | ttaacagagt | 50700 |
| tgtcctatgc | agcccaaagt | ccatcttctt | gcctcagcct | ccccagtggt | gaaaaatact | 50760 |
| ctttccacag | gttatgttag | gagactggag | tctgctcagt | cggggaggga | gcctgggtca | 50820 |
| agttctgagc | tcaattcctt | ttctttcttt | ctttctctct | ttctttcttt | ctttctctct | 50880 |
| ttctttcttt | ctttctttct | ttctttcttt | ctttctttct | ttctttcttt | taagacaggg | 50940 |
| tttctttgta | taccctggct | gtcctggaac | tcactttgta | gctggcctgg | aattcagaaa | 51000 |
| tctgcctgcc | tctgcctccc | aagtgcctgg | attaaagggtg | tgaccacca | tgccccagcc | 51060 |
| ctgggctcaa | ttcttaacat | tgtggagaga | aaagtattgt | agctgttctg | gccacctgga | 51120 |
| attactttgt | ttctgatctt | ttgtgcagct | caaactcctc | tcattccatct | ttcctcgtca | 51180 |
| ggctataata | tagactctcc | ttgcaatact | tggaaatgct | ctacagtcag | ctacatcctc | 51240 |
| agtctgtctc | ctatatTTTT | tcctaagctt | ccttctaagg | tctttattgg | tttatgattt | 51300 |
| acacagaaca | tttttttttc | ttgtctatag | catgcgttag | agtgatcggt | gccagataga | 51360 |
| ggaaagagaa | atgagagaa | nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | 51420 |
| nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | 51480 |
| cagctactga | ttcctcctcc | tccctcctcc | ttcctcctcc | ctccccagcc | tcattgctctg | 51540 |
| ctcatcttgg | acttctgcgc | atgtcctcag | cccagacctt | ctgctcttgc | ttctcctctc | 51600 |
| cccagcagcc | ccccagttct | cttctgaaa | cttctgaggt | actctccatc | acctcctttg | 51660 |
| gctcctgctc | tgattgggtg | cacctgctgg | ataggcttgc | tcctgactcc | actgttcgtg | 51720 |
| tctcaattag | ggacctcac | cctctgatat | accacacatt | tccctagtgt | ctccacctcc | 51780 |
| cacccccacc | ctatacgcac | atacacactt | agctgcatca | ggatcctaca | ccagggactt | 51840 |
| cttacccttc | taatcctccc | caccggacac | tgcccaggga | cactgggggt | ccagaggggt | 51900 |
| attgccacac | ggacacacag | gagatctcat | caaggagatg | tgccctaccc | agagggtagc | 51960 |
| tctcaccatt | cacaagcaca | ccacttctgc | ctccagcttc | tactctctcg | caggaagtag | 52020 |
| ccagcccggg | gccaaagtac | cccaactaca | tccccaaaat | tctcagacac | tgccagcctc | 52080 |
| cagctgtcag | cctggccccg | gctggcgggc | gctgtctcct | ggcatagcga | ctagggtgta | 52140 |
| attagaaac | cgctagctcc | ctaattgcca | gttctgagct | gtccttggtta | ccggctgccc | 52200 |
| gaggcacaca | tagaggaaaa | ggctgagagc | tgagccaggc | tggcatggag | gtagccctag | 52260 |
| tagacctaga | gaggactggc | atgtggccag | ggaccaaacg | tggcacagag | agggctcagt | 52320 |
| gcaatctgcc | ccgtgggtgc | ctcccagcca | catccatttg | cccagaactg | tgacgtcaaa | 52380 |
| ccagcccggc | ccattcattc | tttattcagg | tggcataaaa | atcactacaa | aaactttaca | 52440 |
| aaagagtctt | gggagctaaa | gggtcccttc | cttgccctcag | tccccaaagt | tcctggcagg | 52500 |
| ggaggacaag | agagagaaga | aggaggaaga | ctcctggcag | tgttggcatc | tccaaaatacc | 52560 |
| agaggggtga | cttgggtgac | aggacacagg | ttggggacct | gaatgtcttc | agcaagggtc | 52620 |
| actcttgtag | ggtaggctcag | cctccaacca | tgaagtataa | caccaaggcc | agtctaagct | 52680 |
| tgggagacca | acacttgtct | ctccttttcc | caccagggt | gtctggaata | tgtctaaaga | 52740 |
| tggcctctcc | agcctctgct | tacaaaatgtg | gagggaccct | aagttaggga | cttgccctaac | 52800 |
| ctacctctag | ccaaaactgt | gtccacaagt | gccagcccac | aaaagatcac | cccctgagcc | 52860 |
| ccttgggaag | aaatgaagat | tccccatgcc | tgccttctct | caggccccac | cccactgctt | 52920 |

| | | | | | | |
|-------------|-------------|-------------|-------------|-------------|------------|-------|
| gcaagagaac | agcttctaca | ctggtgatgg | tccttccggt | cccaccctat | cccacaaagc | 52980 |
| tggttagaaa | gagtcacagg | agctgagagg | ctgatccagg | tggggactca | ggatgctgct | 53040 |
| gcccaggggc | cctcctcact | tgggggagct | gaactggggg | tagtcttcct | ccatgcgggg | 53100 |
| tgcaagtttc | aagtcaggac | caaagggtct | gcctccatgg | aagtcagctt | tgtcattctg | 53160 |
| gcctatgagc | ctgttgtcag | gggaatctcg | ctgttctctg | agctggggca | gcgcgctggg | 53220 |
| gttaggggtc | ctcacactgc | ccacaaagag | gggcacgcct | atgggtgtct | ccatgatgaa | 53280 |
| gaagaggaa | ggtcggttca | cagtgaagga | ggagaggggc | attcgattca | tggctacgct | 53340 |
| ggtagctgcg | gctgcctcca | caccagcctc | gctgagctcc | atggtagact | gatgttgcac | 53400 |
| gctagacacc | accagattct | gctcagagat | cccacgaagg | tctgggccc | ggaacaattc | 53460 |
| ctgcaggcct | gcccagaaca | gcagatgact | ggtcagtgct | gccccaaagg | tatgtggatc | 53520 |
| tgtctagcat | cctgggctaaa | gggaacactt | gaaccacgcy | gttgattgga | atctgttaga | 53580 |
| cctcagctca | gacaacactt | ctagaaacct | tttttttttt | tttttttttt | ttttaaatca | 53640 |
| ggatctgcgc | taggtacagg | acagaaagtc | tagaggagca | tatcaaattgc | tcccatccag | 53700 |
| gaagcagggc | cacctctggc | tcaggcacac | tggcagctcc | cgtactctgc | ccagaccacc | 53760 |
| taggggcacc | ctatcccca | gctccttacc | cagttggctg | aggggtggcca | ccaggtccag | 53820 |
| ctgctgttgc | agatggagtt | taggcagcca | caccttggtg | ggcctctcct | gcagcgaggg | 53880 |
| atggtacaga | gtatcccagg | tcagggtggc | tagtacctcg | gacacgttcc | actcaaaata | 53940 |
| agtgggcatc | acgaccacaa | agctcatggt | gttcttaaag | gggaaatgag | ccacctacag | 54000 |
| ataagaaaag | gagagaacat | gaggaccaga | cagcacctgg | acctgtctgg | agtctgggcc | 54060 |
| aaaattactt | ctgtactttt | gagacaagag | ccagaaattc | aggggttagca | tgcttttcat | 54120 |
| taactgggtg | agtggataaa | taccacttac | ccctttgcaa | ggtgacatgg | gaccaaatga | 54180 |
| gataatgctt | ttacacctct | ctgtgtgcac | acataagcat | atatgtttgt | atcgggtgtg | 54240 |
| gtgtgtttgc | tcattgggtat | atggagtcag | aagtaggtaa | acatcagtcg | tcttcttaca | 54300 |
| ttgctctcca | cttttttttt | tttttttttg | gtgttgccat | ctttttgttg | ttgttatttc | 54360 |
| aagacaggct | ttctctgtgt | agccctggct | gtcctggaac | tcactctgta | aatcaggctg | 54420 |
| gcctcgaact | tgcagagacc | cacctgcctc | tgcctcctga | gtgctgggat | ctaagatgtg | 54480 |
| tgtaaactaca | catagctccc | tcttttttgg | acacagggtc | tcatggatcc | caagctggct | 54540 |
| ttgaaatgac | tgtttggggc | tggagagatg | gctcagcggc | taagaacact | gactgctctt | 54600 |
| ccaaaggctc | tgagttcaaa | tcccagcaac | cacatgggtg | ctcacaacca | tccgtaacaa | 54660 |
| gatctgactc | cctcttctgg | agtgtctgaa | gacagctaga | gtgtacttac | atgtaataaa | 54720 |
| taaattaatc | tttttttaaa | agagaaagaa | atgatggcta | catacttctc | tctcgtctct | 54780 |
| tggccccaag | tgtggggatt | acagagctgt | acaacaagcc | caagtttgtt | gtgttttaga | 54840 |
| catgctaattg | tatcccaggc | tgtcctcaga | ctctctatgt | aattcagaac | gaccttgaac | 54900 |
| ttcttttaag | gtttattttt | atcttatgtg | tatgggtatt | ttgcctgagc | atgtgtctgt | 54960 |
| gtaccgtgtc | cttgccagtac | cctcacagtc | cagaggaggg | caccatttcc | ccctgaactg | 55020 |
| gttgtgagct | gcatgggtgg | tgtctgggaat | caaaccctgg | tcctctgcaa | gagaagccag | 55080 |
| taagtactct | taactgctga | gccacttctc | caccttgagc | ttttcttctc | cctatctcga | 55140 |
| tctaaaagta | ctagggatgg | cggatgtgcy | ttcatgtgcc | tggtttatgt | gttgctaagg | 55200 |
| ggtgaacaaa | gggcttttgt | catgccaggc | aagcactcaa | caactgagct | acacatccc | 55260 |
| acagactttg | actcttctag | tagtagtgct | tccactacag | cctgagttct | ctatctgctg | 55320 |
| tcagcaagct | gtacaaacaa | gctatgggcc | ttcctgtcct | tgcctctcag | ttctctccgc | 55380 |
| agggtgggct | actggctttc | aaaatgaccc | atagaggagc | cacagcaaac | agtaggaagc | 55440 |
| ttgcccctcg | tctttcacc | tctcccagag | agtcagctat | aattcgagtt | tttttttctc | 55500 |
| ctctctctct | ttaaacagga | tctggttatg | tggccctaac | tatcttcaac | ttcagctctc | 55560 |
| ctgcttcaac | cttctgagtg | ctgggattat | ggtgtaagcc | accacactca | gctcacacaa | 55620 |
| cctttttttt | tttttttttt | tttaaagaat | ccatgcagtt | aggacagcat | ggaaatgacc | 55680 |
| aggctcaggc | ctccctgggt | accagcataa | tgcctgcagg | cgggtcctct | gccagtgggg | 55740 |
| ggatggaaa | atggagccag | aggatctttc | ctctctgaac | ctcaatgtcc | cacagtgaga | 55800 |
| cactcatgtc | cactgggaga | tactgtagta | ttcaaggagg | aagcaacagg | aaggtgagag | 55860 |
| ctaagtggag | ctgagcaggc | tcgtatcctc | tcaccacggg | ctacagagaa | gtctggctgc | 55920 |
| cccctccaca | tggtctctcc | ctgcagaact | ggcaatgctg | ggcccggctt | gcccagtcaa | 55980 |
| actaaccaac | agaatggatg | agcatgtgtg | gtgccacaca | cctgggaccc | cagcactcag | 56040 |
| acagctgggg | cagaagggtc | atgagtccaa | agcgaacttg | tgtaacattg | tcagaccctc | 56100 |
| gaacaaacaa | aactagcccg | tcctgttatc | tcagccacag | atgatggggc | caaggatcag | 56160 |
| tactctagcc | aaggagtcac | ggttaggcta | gaagcaaggg | aagccttagc | tgagacagct | 56220 |
| tggcacggag | cttcatccaa | tcagaatgtt | cagagcaata | agctttgaaa | cccgaacttc | 56280 |
| atctatgaag | cactgtgtgg | gaactcctct | cttcccttac | gagcaggggc | ctggtcctct | 56340 |
| tgggctccgc | taaaacccca | gcacagagaa | cagttacctg | gcacgtgaca | aaaactcaat | 56400 |
| atattttctt | tgaggagatg | aacctcaaag | acagctgtgtc | ctggatagac | cagcataaat | 56460 |
| aaacccttca | ggagctacct | acccagggac | agacttttac | ctcccagtac | caggcctcgt | 56520 |
| ttgccagcca | aaggcaaaagt | ccagactgac | ctgtatctca | ggttgctcca | gcaggaacca | 56580 |
| tcgaagagga | tatgacaccg | cgtgcatcat | gtccaccgac | actgtgaacc | gctcatccag | 56640 |

| | | | | | | |
|-------------|-------------|-------------|-------------|-------------|-------------|-------|
| gtggaagaaa | tctttctggg | tgaggctcgg | gtcaaaacttg | gtcctccaga | aacctgcagc | 56700 |
| caggcagagg | gcaggagcca | tgtaacataa | aatcagcctn | ctgcctgtct | tgcctagaac | 56760 |
| ctatnnnnnn | nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | 56820 |
| nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | nnnnaaccaa | ggcaggtctt | 56880 |
| ggaaaaagga | atcttaaatt | agaagatgcc | ttgataagat | tggcatgtag | gtatgtctca | 56940 |
| ctaattgattg | atgtggaaag | tcacgaggga | tggtgtcacc | ctgggcagat | ggcctgggggt | 57000 |
| atataaaaaac | acaggctgaa | caaaccacaa | agcagtagtc | ctcaatggct | tctgcttttag | 57060 |
| tttctgtctc | aggttcctac | cttgacttcc | ctcagtgaa | gcatgtcaca | tgagagttgt | 57120 |
| aagaggaaat | aaaccctttc | ctccccacat | agtttttggg | tatgatgtta | tatgtcaaca | 57180 |
| acagaaacta | taactaatat | agttgggtttt | ctttttttgt | ttgttttggg | ttgttttgag | 57240 |
| acagggtttc | tctgtatggc | cctggctgtc | ctggaactca | ctttgtagac | caggctggcc | 57300 |
| tcgaactcag | aaatccacct | gcctctgcct | ctgcctccca | agtgggtggga | ttaaaggcat | 57360 |
| gcgccaccat | tgccctggctg | gttttctttt | ttttttaata | catttataat | gcatttttaga | 57420 |
| tttaaaaaaa | aaaatggcca | tgcatataaa | tataaaaaga | agtgtttaca | aatcaccatg | 57480 |
| tgcccttgcc | ataaattatg | taaaaatttc | catatggaca | tcagtctcaa | gcttacaatc | 57540 |
| tcagcactca | tgagcctgag | gcagaggcag | gaggatgggtg | agctcaaggc | cagcttagtc | 57600 |
| tacataacaa | gatcctgtcc | aaataataac | aacagtaata | atttcataca | tagaactaga | 57660 |
| agggggccact | gcaaagacag | tatgacaaaa | ccactggccc | tgccctaattg | tatttttaa | 57720 |
| aactgtcctc | ctctctgtaa | ttttcagttt | ctaattttta | cataactacc | atgtattctt | 57780 |
| tttgtaattt | taattagttt | tttaataata | gaaacaagct | aagtgtctaa | aataatttca | 57840 |
| tatgaacatt | ttcaaggcac | ttgatacata | cctcagattt | gccctccagg | tgagcagtac | 57900 |
| caattacgtg | ccaccagcaa | tgttagcttc | cttttttccc | taccatctga | ttctgtttca | 57960 |
| gtctattcgt | agttctgata | ttgttatata | cctttttatt | gtttccctgg | gttccaacac | 58020 |
| ctcccagttg | agtgtttctca | ttgaatttca | ttagcagctg | tttcattaat | ggcacagaag | 58080 |
| aaggattaca | gtgttaacta | ggatagactt | tgacaaagaa | ctatgagaac | atatcttatt | 58140 |
| atctttgcat | aaattctttt | taatcaaa | tcctcaaaag | cctctctctg | ttcccatctc | 58200 |
| agggagtagg | tctggccact | gatgagtgtc | caggccacag | tacaggtgtg | cgtggttctg | 58260 |
| tccctgtggg | aagggcacat | ctgtgttgta | acaggattcc | tgtcttaaca | agccttgctc | 58320 |
| aggctctaag | tggtcctgag | ctagctaact | gcccttggct | ttcccttgat | taccagataa | 58380 |
| ctattcactc | ttctcatttt | gcagagcact | taccaggtag | ctatgtcctg | gaagtacgaa | 58440 |
| tgagtccttc | tattgttttt | cttttactta | aatcccattt | gaaatgcgcc | agggacactt | 58500 |
| caatccaagg | tacacttttg | ctaaagaatc | actcattttt | atatgcaaaa | tgtcacctat | 58560 |
| taactgcagc | tgatatggta | catacatatt | ctctcttctc | attatccact | aatagggtgac | 58620 |
| taatgcgaaa | tattgagtaa | tttttaaaaa | tcaatactca | atttttttaga | aataattaga | 58680 |
| gagacattca | actctgacac | cagcacccta | ctcagttcct | gagccttcc | ctgccggagg | 58740 |
| agaatctata | aataactcac | gaagctgaca | ttactcactg | tggtgcagtc | atttttttct | 58800 |
| gagaaaattt | tagcaactgt | tctaataagag | cctgccagtt | atcagtagtt | gagaatgcaa | 58860 |
| gtcaactttt | aattatgcag | acgctgatta | ttcagacgac | aaattgttgg | tgcctgcacg | 58920 |
| gtccttctct | gctgcctacc | tttaaccgtt | ctcagtgctc | attagcacat | gttcacagaag | 58980 |
| gtaggccttt | gaggggcgga | caggcactca | aaccagctaa | gcacttagag | aggtctctgat | 59040 |
| gaaagatgtt | aatgcagttt | gtagaattat | tgactaaaa | tgagtcattt | ggattccctg | 59100 |
| tgaattgtat | ttacatgccc | tgtccctgtc | ccccatagca | acagataata | ggattgtctg | 59160 |
| cagagagaca | acatagttct | tatatttaat | tttttctttt | gtcgaacatt | ttcacatgat | 59220 |
| ggttcgtggg | gtttcctttg | ttcattacat | ttgtatccag | actagttact | tctgataagc | 59280 |
| ggttagtttag | gattcctggc | acgcggacag | tgacaccaca | gttgtctgat | cgtttcccac | 59340 |
| ttttttacaa | aaccgttttg | ctttaagagt | cagtgttttg | cacatttcac | ccagattatt | 59400 |
| ggaaatatta | tttccctcct | gcttaaaccg | aagctgtgat | cataatttaa | gcctttctag | 59460 |
| gtagccgata | ttacatgtat | catacctatt | tctggcatat | gtttgtctat | tacaaagacc | 59520 |
| tcgtaggtat | gcagtttagaa | gcctctaggt | aaatgaaatg | ttgcgtgtgt | gatgaacctg | 59580 |
| gagtggggat | ggccttttgt | gtgcccgaag | gctgttgtgt | ttcacacagt | tgttttctgc | 59640 |
| ctcctctggg | ctatcactat | cctgccactg | ccagaaaacc | ctgctgtgtg | ttccccgcgt | 59700 |
| ggaggatctc | tgttcttgaa | cttctttggc | ctgagaaact | ccataaccaa | atcagttagc | 59760 |
| attttgttta | aagagcaggt | aggctgttag | agcttgggtc | ttacatgtct | cccaggtcca | 59820 |
| cttgccagcg | ccttgaccac | tgtaaacttt | tgtaaaccaa | ctcatctttt | gctgcctgtt | 59880 |
| ttttgggggg | tttttttggg | tttgtttaag | ccaagatcag | ttatatggcc | caggctgagc | 59940 |
| ctctcttccc | agcctctcaa | atgttagaat | tacaagcatg | catccctcag | catacctttc | 60000 |
| ctttgtcttt | tttaaaatag | agttttgcca | tagcaacaga | aatctaacct | aactaagcat | 60060 |
| agccgtgcac | atgggatgag | gaactcacat | atgtgtgaat | ggaagtccat | agagaccggc | 60120 |
| atcactgcct | agaggccctt | ttcttcttct | cttgtagttg | tcgtgctagc | tgactgtact | 60180 |
| acaaaagagg | ttgtctgagg | cataagacta | ccttcaataa | aacatgcaca | gacagtttgc | 60240 |
| ttctctgaga | tttcagagca | gtgactacct | tcaataaaaac | atggacagac | ggtttgtcta | 60300 |
| cctgagactg | cagagcagtt | tccaaaaatt | ttagacaaaag | ggtaggatga | agaaggctgc | 60360 |

| | | | | | | |
|------------|-------------|-------------|-------------|-------------|-------------|-------|
| ggggttttgc | acacacttaa | ggtgcgtaag | taaataaact | gagctacact | gacaggatgc | 60420 |
| tcgttctagt | agccaaccaa | agagcagttg | aaccaaagca | cctagacttc | aaacatcgtg | 60480 |
| gggagataat | cttaggagtg | ctatgcttct | gcgtccctaca | agtattatga | aactgtctag | 60540 |
| aaagcacccc | actggtaatc | cctttttgat | tatttttttt | ataaattcta | gtcttgggggt | 60600 |
| tttgagtggc | acacagacat | aatgggttagg | cttcgggtgtg | tgctcattca | ctttgcttcc | 60660 |
| tggggaccag | agttttgcgat | gagtcgatgt | ccatctgatt | tctgtcggat | cgggctgcag | 60720 |
| agccatgact | cagatgggct | tcaggcccag | ctgctcagtt | catcttctgg | ggaatagatg | 60780 |
| acaaggacgg | gacaaatgtc | ctgacgcaca | tttccttctg | ttcttgcact | tccagggtct | 60840 |
| aacgagagca | tcattaccaa | cagcaggcag | atagccttg | ccacaggcat | cttccctggt | 60900 |
| gtcagcctcc | tgaaccactc | ctgcaggccc | aacaccagtg | tgctccttcac | tggcactgtc | 60960 |
| gccaccgtcc | gggcagcaca | gaggatcgca | aaaggacagg | agattctgca | ctgctatggt | 61020 |
| gagccagcct | ttctttccac | taccctgctg | tgccctcacac | ctcacatgaa | aaggataagg | 61080 |
| ggacaggaat | cagcagatat | gggcccagtg | cctctactca | tcctctgagt | ctttcctgga | 61140 |
| aagggcaatg | catccttggg | ccaataaaaa | aggctcttctg | gctgtaataa | aaaagcccgt | 61200 |
| tgagggcagt | gagccatata | cctccatgcc | ttgtagacag | cctatcctga | aaatgagcga | 61260 |
| ggagcacttt | cttggcttct | ttcttccctgc | cccagcagct | tggaaacgta | tccactttca | 61320 |
| cccgtgtttt | gttgtttttt | ctgagatgat | agggcagagt | acccaacctc | atataggcta | 61380 |
| ggctagtgtc | tatcactgag | ccaggacccc | aaccagcac | caccatgcca | gtcacgtgat | 61440 |
| gactaggcca | gcccctcggt | agagtaggca | ttgactctct | tgggtgtgact | aggaactgtg | 61500 |
| ggtaatctct | ctccagggcc | tcacgagagc | cggatgggcg | ttgctgagag | gcagcagagg | 61560 |
| ctgagttctc | agtacttctt | tgactgccgc | tgtggggcct | gtcacgctga | gacactgaga | 61620 |
| gcagctgcag | ctcccagatg | ggaagccttc | gttgttaaga | cttgcaagagc | gctcatgcag | 61680 |
| gtaaatctct | gctgttccca | ggggcagggc | tcagctaaa | ggttgtcagt | cgccaggaga | 61740 |
| accattcctg | cttcccttct | tgtaactcct | ccctacatgt | cgcccggtcc | tcgagaaaac | 61800 |
| acaggttgta | tttccctaata | ttttccctat | aagtgcacac | aaatcttaaa | ttacacaaag | 61860 |
| ggaccaaaaa | aaaaaaaaaa | aaaaaagccc | tagaaattta | cttgctcaaa | taagtcatca | 61920 |
| aaagtgtgtc | atcaggccta | gcacttggtg | actggtaacc | ctagcactca | ggaggctgag | 61980 |
| gaagaaggat | ctcaagtcgg | aggccagctc | caagtgcac | cccatctaa | agatcaccat | 62040 |
| tccaaggagc | tatttcagag | atggtttaat | ctggggaccc | agattgtgga | ttttctgtct | 62100 |
| gttcaattcc | atctctctgt | gctggcctca | tcagacacac | tctgtagtaa | ctgtgggaaa | 62160 |
| atccgaccca | catagttttc | cctcagcctt | tgaccagag | ggaagagcca | cagtggagag | 62220 |
| catgagagca | gacccttggg | tgctactgcc | aggtaatggt | gtagacactg | gagcttcaaa | 62280 |
| cattcatgcc | ccaatgcaaa | atggtctcca | caccagagca | tggcattctc | attagaaata | 62340 |
| agtaaatgga | attggctgtg | ttgaaaattg | taaagccaag | ggtcaagaat | gaagccttcc | 62400 |
| ccagcatgtt | ttgttttgtt | ttgtgtttta | ggcagcgtct | ctctgtgtag | ccttggctcc | 62460 |
| tgccctctgc | tacctctccc | agggtgtgcca | ccatgctggg | cctaagcgcc | ctgtgcatta | 62520 |
| gtgctccctc | gatcctgctc | actcttgaga | cagtcttcc | tctactctgt | atccccagat | 62580 |
| aacctagagt | tcacttcaga | gcccaggctg | gcctcaaact | tgagatcctc | gtgtcccagc | 62640 |
| ttctcaaata | cagtgatatt | tacaggccta | cacctggctt | tccttgatag | attcctagta | 62700 |
| agatgattat | cctttgagcc | atatctctct | ctgcttctt | cctctcttcc | tgcagggttg | 62760 |
| atctagaatt | tattctaaag | ctgactggcc | tcagaattgc | catccttctg | cctttagnnn | 62820 |
| nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | 62880 |
| nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | 62940 |
| tgctttaa | gttctttgtt | tatgggaatt | tatgggaatg | ttccacagaa | cccatccagc | 63000 |
| ggagttctgg | ctgttgtttt | ttaatcttta | ttcatcttgc | gtgtgtgtgt | gtgtgtgtgt | 63060 |
| gtgtgtatgc | gcgcgtgctc | aacttgcaaa | attgcaaaat | tcagtctcct | ctttccaccc | 63120 |
| tgtaggtcct | ggggatcaga | ctctgttagg | cttgggtgga | ggtgctttac | tgagccatct | 63180 |
| tacaggcccc | ccatggacaa | ctttttcttt | gaaaacctgt | ttctggcttg | ggtgtgatag | 63240 |
| ctcacacctg | tgaccctacc | accactcatg | aggaagaggt | aggaggacta | acagaattgg | 63300 |
| aagccagcct | ggactacaca | gtgagtaaag | gctatctata | tactcaccac | atggcaagac | 63360 |
| cccgttttaa | aacactgggc | aagggtgaaac | aaaagtcaat | taatttcaca | taaagtcaat | 63420 |
| agcttcatta | acggcctagt | tatcttttaa | actgtatgca | ggttagtact | tggtttcaat | 63480 |
| tttattactt | tttctctgga | acattttaaa | gtacttttagg | ggctggagag | tcagttaaga | 63540 |
| acagtggctg | ctgccaaagg | actggagttc | actcccaagc | acccagggtg | caatcacaac | 63600 |
| tgtctgtcat | ctaattctag | gggatctgac | accctcacag | actcacaggc | agtggaacac | 63660 |
| caatgtacat | aaaataataa | ttaaaaaaat | gaaataaaaat | accaggcaag | gtggcacacg | 63720 |
| cctttaaccc | cagcactcag | gaggcagagg | caggcagatt | tctgaattcg | aaggcagcct | 63780 |
| ggtctacaga | gtgagttcca | ggacagccag | ggctatacag | agaaaccctg | tctcaaaaaa | 63840 |
| aaaaaaaaaa | aaggacttta | aattgggctg | gagcagatgga | ttaaaagcat | tggctgctct | 63900 |
| ccccagagt | cctgggttca | attcccagca | ctcaaatggg | ggctcacaaac | tgtctatatc | 63960 |
| aacgcaatct | aacacctctc | tcaggcatgc | aggttacatg | tagacaaaaac | atccatatgc | 64020 |
| ataaaataca | taagtaaagt | agtcttttaa | tgtatactag | aagctgggtg | gtgggtgcatg | 64080 |

| | | | | | | |
|-------------|-------------|-------------|------------|-------------|-------------|-------|
| cctttaatcc | cagcacttgg | gaggcagagg | caggtggatc | tctgagttgg | agggcagcct | 64140 |
| ggtctgagta | aatagagcct | tgtacttcta | cttatcacta | cagttacatt | ttataacttt | 64200 |
| gggccctagt | gcttccattt | tccactgttt | gcttaaccac | tggggcctga | agctttttgtg | 64260 |
| ctgacacttt | tgttcgctaa | tcacagaggca | accaatggtc | tctacactcc | atcaccatca | 64320 |
| acacaaacaa | aacaaaacac | aacactacgg | atcctggcat | ggtggaacat | ctttagcccc | 64380 |
| agtacgtggg | cttgagttca | aggccggcct | ggtctacata | gcaagttcta | ggatagtagg | 64440 |
| gatagtcttt | aaaacaaaac | actattttat | ttatgaacaa | aacatgtaaa | gaaagaaaaa | 64500 |
| aaactgcaaa | tttatctatg | aatgaagtct | aagtaatact | tcaatatattg | aaatagcttt | 64560 |
| ctaaaaatatt | tttatttaaa | gaaaactcag | caaattattc | aaacaacctt | ataaacgctt | 64620 |
| gttataaaaag | taaagaatta | tttgcaattg | ccttaagggg | ccaaggtggc | agcctcttaa | 64680 |
| aattcagaac | aatccaagct | tcacattcca | gttcaacatt | tctacagccc | taacgtattc | 64740 |
| aaatacctcc | attctgacaa | ctgtttcccc | tcttcttttc | ttctaagctg | cttagatgtc | 64800 |
| tgtcccaggc | ttttcatgat | tttagtcatt | cacacaacta | gcaaacatta | tctaggggact | 64860 |
| aaaacttgcc | agatactggg | atatcaccct | aaagggggac | tgaaagtagc | tgcaggctac | 64920 |
| agtctctaca | atctcctgaa | tgaaatacaa | agtagcta | atttaccaaa | taaacatgta | 64980 |
| cacctgtgat | gattgctagc | tgtactagca | gaagctaaac | actaaatcta | gaaactcagt | 65040 |
| cctccaacta | gccccttgct | cggcttcagc | ctcattttta | caaacaaggg | aaagagtttg | 65100 |
| gaatgttgcc | caaagccata | cataagtga | caaaaaggag | ttggagtctc | caaatgcatg | 65160 |
| gatttgggct | agttactttg | ccaaccaact | cagtaacaac | tgagctgaac | aggaacactg | 65220 |
| tggtagcaaa | agaaactgga | actatcaatg | gctctagag | caaaaatata | tttaaaaaga | 65280 |
| aaaaacaaa | caaggcctgg | caaggagact | gtgagaagag | tgtgctgact | gaaattgact | 65340 |
| agttcagcca | acaaaagact | attccagggc | tggtgagatg | gctcagtggg | taagagcacc | 65400 |
| cgactgctct | tccgaaggtc | aggagttcaa | atcccagcaa | ccacatgggtg | gctcacaacc | 65460 |
| atccgtaaca | agatctgact | ccctcttctg | gagtgtatga | agacagctac | agtgtactta | 65520 |
| catataatca | ataaataaat | ctttaaaaaa | aaaaaagact | attccagtg | ggatggaaaa | 65580 |
| gttaagtgtg | gagttaaaat | atacttcaac | tggtgatgga | ctaggtgtcc | agagtcgggc | 65640 |
| aaaaggatgc | tctgtggtag | agggtgcctgc | tgtgtaagcc | cagctacctg | agctcaatcc | 65700 |
| acagaatcca | cagcggagtg | ggaagagaaa | caacgtccca | gagttgtcct | ctggcatccg | 65760 |
| acgcacattc | gccatcccca | agatgtcata | catatgtgta | catactacac | actggcgcac | 65820 |
| gcgcacacac | actctttttt | aaaattcaga | cttagaggga | cataaaggat | ttgctctgat | 65880 |
| atatgttcaa | tgaaaaatga | ctttgaagat | agagggcaga | tcgaagggaag | ctgacaggga | 65940 |
| aagaattaat | aacatgcagg | tgaagggtcta | taaactagtc | tgcagagggc | cttggtctga | 66000 |
| caaaaaaatc | tatgggggtt | gccggtaaaa | taaggaaaaa | gttgtcaaca | tgaaacacag | 66060 |
| aacactagca | agagaggagt | gttagcagaa | agaagccaac | aagctcaaac | aattaggtcg | 66120 |
| gctgaaaaat | tttaaaatgt | cttctgat | ggctactggg | aagccactgg | tgacttcggt | 66180 |
| cagcgttttc | tctctcgtga | ccagagagat | gtctagtagc | aataatgagt | taggaggatg | 66240 |
| taaaagaagt | aaaacagccg | aaaacaagtc | caaaaagttt | ggggtgatgg | agaaaggagg | 66300 |
| gaaacagagg | ccgccgaaga | tagacagcgg | catgtttatt | tgtcttgttt | tcttagatgt | 66360 |
| aaacaaacta | aaaaaactcg | tgagttcttc | tgccagtacc | gggttgccct | cagcatcctc | 66420 |
| tgatggtctt | agagaccccc | ggatgctccc | ccgcggccgt | ataatttcc | ccctgacgct | 66480 |
| ctcccgatcg | acagcggctc | cctcccggg | tccctcttgc | accgctccaa | ggccgcgctg | 66540 |
| ctaggggcat | cgagcccgtc | cagggtcgtc | tccttacctc | gatggccccc | tcgctcaggt | 66600 |
| gtcccaccat | ggctgcaccg | ctaactccc | cgctcgcgt | cttgccaccg | ctgagcttct | 66660 |
| ctgccggggt | ccgcggggct | gctcaacgat | tggttagagc | aactgtgcgt | gccgatccgc | 66720 |
| ccccagcgtg | agcgcgggtg | gaggggcggg | cctagacgcc | gatagccacc | gcattggcta | 66780 |
| ccgcgcggca | ggcagagcac | gtgactcttc | cgaggccggg | ttcgaggcct | agtggcggga | 66840 |
| tggcgggacg | tgaggggcggg | gcgctgggtc | gcagtgcgcc | tgtgtcagcg | cgggtgctact | 66900 |
| gagttgttcc | ccgcgcagct | gtcggaaact | tgcccgccca | gtcctttggc | ggacagacag | 66960 |
| aatggcaacc | cagggaacag | tcggagctct | cccctggtaa | ctgctgctaa | atatagtcaa | 67020 |
| agcagtgacc | tgggtacttc | ttcacgcagt | gcgctgcccg | cgccgggtgcc | aggcccagag | 67080 |
| cttggcactg | tgggataaac | aaggtaaatc | agactcagtc | tccgccctct | tgagttccac | 67140 |
| ctgagagttg | tggccgcaag | gaacccagcc | tcaaggatgg | tagacgcgat | atgggccaca | 67200 |
| catgtggagc | tccagagtgg | gggtcaaaaa | tcaatcaggc | tttcgagagg | cgatgcgggt | 67260 |
| tgaactgagt | taaagtgtgt | gtagaaat | gtcaggtgga | ttccagttag | gatagtgatg | 67320 |
| ttcctaaaag | cccaaattgg | ctatgcaaaa | gtattggaga | gcctggcggtg | ctggctggct | 67380 |
| ctgatctgtt | tgtaatccca | gcctttggga | tgtagaagca | gcaaaaagttc | aaggtcaccc | 67440 |
| ttaacaccgt | tgagttcgag | gtcaacctga | actaaatgag | accctgaaaa | atcaaaat | 67500 |
| gggacccagg | cgtggtggca | ttcgaggtaa | aagcaggcag | atctctgagt | tcgaagccag | 67560 |
| ccaggctaac | ataagatccg | gtctcaaaaa | aaaaaagtaa | taaaaataaa | aagggagaga | 67620 |
| ggctatatga | actgaaagaa | gacactggag | atcaaaacag | aaaactgagc | cgtctaagaa | 67680 |
| atgaaaatat | tttaacttcat | agttgctgga | gtaagaagtc | tggaaaactt | tgggcaacta | 67740 |
| aggtaaacag | gtctagaaa | actggaatag | tagccatcta | ctgggtattt | gatctctgtt | 67800 |

| | | | | | | |
|-------------|-------------|-------------|-------------|-------------|-------------|-------|
| tgtacaacca | caacctacta | tagttttctca | aacagttcca | aagaatatgt | ctgggtgaat | 67860 |
| tggtaccaca | ccacagatta | actctccttc | agcatatcaa | cagctataga | aaaccccaga | 67920 |
| agaaatgatt | ttggttgcgt | gtcacttggt | aggatgaaat | ctcgattttc | tagaactatg | 67980 |
| cattaataga | aagctgaatc | ttcatgttct | gactttacag | agctgcggca | gcatggatct | 68040 |
| accggtggat | gaatggaagt | cctacctact | taagaagtgg | gcttcactcc | cgaagtctgt | 68100 |
| gcaggacaca | atctctacag | cagagacttt | gagcgacatc | ttccttcctt | cttcttcctt | 68160 |
| tcttcagtaa | gtgaatggaa | acttcaggga | aatttttggtc | tggaaaatgt | tctgccttgt | 68220 |
| catttggtct | gaatatctct | tttttatagg | agagagtagc | tttatattct | ttatagtatg | 68280 |
| gggcatttag | cagttactgt | tggttttcac | gtttctccct | agtctgtgat | tactagaatg | 68340 |
| ggtaggcact | aactgctttc | ctcttttggtc | atgtgttata | cttaaggaat | gtagtatctt | 68400 |
| gctgtcgtcc | cagtgtgtgc | actcatagga | tctgggtgcag | gttgtgtagc | tgccccatga | 68460 |
| agctcattca | gtcctaattg | ggagaaagaa | ccctggcact | tggttagttg | agaccanana | 68520 |
| cttctcaagt | tctnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | 68580 |
| nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | nnnttttagtt | 68640 |
| tccaagtgcc | actttactgc | aatgtgtcac | cacatccaga | gttctgtgtt | tgtttatttg | 68700 |
| tctgtttttg | agacagggtt | tctctgtgta | gccttggtcg | tcctggaact | cactctgtag | 68760 |
| accaggctac | cctcaaattc | actgagatct | gcctgcctct | gcctccagag | tgctgctgta | 68820 |
| cactaccacc | acccatccag | ctttctatat | tggttttcct | atggcgtttt | aaaatagcca | 68880 |
| ttatacgtgt | gtttatcatc | taaagtccctg | gtcccaaaaag | gagatgagag | gggctgctaa | 68940 |
| ggtgaaaagg | attacaaaacg | cttatcaatt | ctgttcaaaa | attaaacctc | agagtgggat | 69000 |
| tagctgtctc | tttcattaga | attgctatca | gaattcactc | aggccttggt | tgcgtgtgtt | 69060 |
| attgaagaag | tctcttcctc | atcaggctcag | tgactcctta | gctcaagtac | atgcaatatg | 69120 |
| cagtattgat | aactgttctc | gcttaggaat | aaaaatagaa | ctgacttcca | cagggaatg | 69180 |
| atgtgctgag | ctgtagcaac | gaatcttgca | caaactctgt | cagcagggac | cagctagtct | 69240 |
| ctcgcctgca | ggaccttcag | caacaggctc | gcatggccca | gaagcttctc | cgaaccggta | 69300 |
| aaccagggtga | gattggctcc | ctcgccttag | gcctcagccc | ttcccttggt | tattttggta | 69360 |
| tcaccttgcc | ttactgagca | gtcctcaata | aatgactgag | gacttgaatt | taattatccc | 69420 |
| agcaccagcc | acaagatggc | tatgtaggcc | agtgagacca | gactgtgacc | agctgttact | 69480 |
| ctgggtgccct | tgaaagtctt | cctgatgggt | taagctgtgt | ctgctgcgcc | agatagttct | 69540 |
| agcagctcga | gcaccagaaa | ggctgtctga | cttccatggg | ctttgtgtgg | ctccagaggt | 69600 |
| ccaatgccat | catctgattc | ccagcttaag | gacctaagct | ccgagaaggt | tgctctgcc | 69660 |
| tcagcagcag | cagcaagtc | tgagtgtctgc | ctgggctcgt | gggtgtgactc | aggagttagag | 69720 |
| ctcggtagct | agcctgagct | gagagctgag | agaaagaaaag | gactcctctc | ttttcagaaa | 69780 |
| gggatttgca | gaactcgatg | ttagaccctg | acatggtagg | aatctgtttt | gactattcta | 69840 |
| gcctagattc | tgaagttgac | ctttagccta | gagtcaagaa | aactaatgat | tacaggagga | 69900 |
| atgtagagtt | ggttggttaa | tgttggttgg | aaaatggatg | ttagaagccc | agggtaaatg | 69960 |
| tgaggaagcc | tcatctaaca | cctctttttac | tgaaagagaa | aacataagca | accaacagct | 70020 |
| tccctggaat | gcccggctgt | tgactccgtg | agataaagag | gcatttttcac | tttgacctaa | 70080 |
| ccgatagaga | ccttgcaacg | tggtctctcg | tgctccaggac | tagatctgta | tctgttgtag | 70140 |
| ggcatttttc | ctttgaatcc | atagagcaag | ccattcagca | gttgttgccg | tgccgggagg | 70200 |
| ctgctgagag | cttcttgta | gcagagcaca | ccgtactggg | ggaaattgaa | gatggcctgg | 70260 |
| cccaggccca | tgctacctta | ggtagtctac | cttaggtata | gccggagttc | tccttccttg | 70320 |
| ccgtgtgttc | agtgcggccc | ttgccttgtc | tgtttggttc | tctcttgcca | tctgaattga | 70380 |
| cgtctctctc | cctcccatcc | tgcatctcct | gccccagag | ccttaggcta | atggtgtttc | 70440 |
| ttttccggaa | tgagacattt | ctcttctcac | agggaaactgg | ctaaagtctg | ctgcccagtt | 70500 |
| acagaagagt | ctccaggtgg | ttgaaactcg | ccatgggcca | tccagtgttg | aaattggcca | 70560 |
| tgagctcttc | aaactggccc | aagtccctatt | caatgggtag | gcctttcttt | ttcctagtgt | 70620 |
| ttggccaggg | cacacagtgc | tctgtgtttt | cctaggtgct | tctgtgtatg | gcttttttgt | 70680 |
| acagtgcctt | aaagcatggt | gaaactcttt | tatttctctt | ttaggacaga | tatttgccct | 70740 |
| ctgcttcact | gtagactttt | aagctttgaa | ttccttccctg | aggatgtgga | gaaagccatt | 70800 |
| aggctctcat | ggagacttccc | agggaggatt | tggaggcagc | ctcaccgcgc | tctagcattc | 70860 |
| ctgtctgctt | aatcacacct | cccttggtcg | cctcagtcct | tgctctctca | actccagggc | 70920 |
| tcggcccttt | ccctgggttg | cctcttatcc | cttttaaagc | agtgggtttc | aactagaagg | 70980 |
| gattgcaaatt | ggcatttggtc | agtgtttaga | gacagttttg | attgttatgg | ctgccagcat | 71040 |
| ctagtaaagg | ctaaacctac | agtgcacagg | accgcctcca | cagtggagag | acccaagtta | 71100 |
| gctatgtgaa | ggctgagaat | ccctgctttg | gagattaaaa | aagggaagctg | agggaaccac | 71160 |
| tcagttggaa | gcacccttgg | tggcatgcac | aaggccctgg | ttctgtccct | agctctgcac | 71220 |
| aaaaaataga | atacaaggaa | gagtaaccct | aatgagtctg | tccttcaccc | agtgtgccac | 71280 |
| tgaggtcact | tgaagggaag | tctagcccca | atttagtatt | ttttgtggct | gccatacctc | 71340 |
| cagccttgat | caaatctcat | ggtatacatt | ggtaagaaaa | aggggtttgaa | acatagacct | 71400 |
| gatactcgga | catggaaaca | gtatgtttgg | tcagagagag | cgaaggacct | gatagacgag | 71460 |
| ggcaatatca | gagagagggc | atcagtcggg | ttagacacga | gcattccaca | gtgagcagct | 71520 |

| | | | | | | |
|-------------|-------------|-------------|-------------|-------------|-------------|-------|
| ctggataagc | ttttataaat | gctgggttaag | gttttgaatt | tgcccaattt | tgtcaggatc | 71580 |
| ccagagtcta | tcacaaacat | acacagtttt | ctcaaactctg | ctttgcagta | tgcccgtgaa | 71640 |
| tgctctttat | ctatactttc | agatggtaag | accctgaggg | cagaggaact | cagacccttt | 71700 |
| gtgccccctg | taagaccctg | ggggatgcag | tggacccgac | tttgtgttct | ctgcacagaa | 71760 |
| aggagtccac | tttcgttgag | actaaggaag | ggaactgaca | agcttccctt | tctggcttca | 71820 |
| ggttggcagt | gcctgaagct | ctgagtgcc | tctggaaggc | agaaaggatc | ctggttggtgc | 71880 |
| actgtggccc | tgagagttag | gaggtccggg | agctccggga | aatgaggtcc | tgcttactgg | 71940 |
| actcgtcatt | cgtccctgtg | gggccccttg | tgtayagcaa | tcatcctcac | cctcaagaag | 72000 |
| gagctctggt | gatgactgag | atgttctgtt | ggcttggagc | tctcatcaga | gaggacggga | 72060 |
| ccttcccacc | tgacctgagc | ctagtgtctg | gcacagagag | cacttgaaaa | cagattgaga | 72120 |
| cactcacctg | ccatgctggc | tgctgcttgc | aagagctaac | tgccctctga | tggaaacccc | 72180 |
| atgccagaa | aagactaaat | ccagtatcta | aaggctgctt | taaagggttg | tcactgcagc | 72240 |
| cgggcttggt | ggcacacgcc | tttaatccca | gcactcggga | ggcaggcgga | tttctgagtt | 72300 |
| caaggccagc | ctgggtctaca | aagttagttc | taggacagcc | agggctacag | agaaaccctg | 72360 |
| tcttgaaaaa | ccaaaaaaat | aaaaataaaa | aataagtaaa | aaataaataa | ataaataaat | 72420 |
| aaagggttgt | cactgatctg | caggcagctc | atgctagcct | aggcttttgg | ctcgatttca | 72480 |
| tctcactaaa | cgatgaatct | gtttccctgg | aacattccta | tggtttctag | tagtaatgaa | 72540 |
| gtgctgtggt | ccactccagt | gagaacttca | attcttagtc | ttgtattata | attgaaaaat | 72600 |
| aatatatagc | aagaaatcag | tatgactgct | tacctcaaga | gacatacaat | tccacttaca | 72660 |
| atatacctgct | tccttaaatt | tttcattaag | actggtgata | tataatttgt | gaatggagaa | 72720 |
| ataaatacgt | cttactgttg | gcagtttctt | cctgggtagg | caactctgta | ttggtttctt | 72780 |
| accagtgtct | taattcttac | tcagtggctt | tcattgagtg | ttcttggcac | tcactgtcca | 72840 |
| agcactgatg | caaggcaacc | ctgtagcatg | acttcatagc | acaggcctcc | ttgttagcac | 72900 |
| acctgaaagc | agaccactct | ggctgtttca | cttgacagaca | gaatcttact | ctgtaagcca | 72960 |
| gtctagcctc | aaacaacatc | ctcctgcctc | agccttccaa | gttctaggtt | tataggaaaa | 73020 |
| ggccaccttg | cccagcttga | gactgcttct | tactgccatg | tctcttcagg | ctcacacatg | 73080 |
| aagtccaggg | cactccagga | ggagccgtga | gtctgtctgc | agggcactcc | aggggggagcc | 73140 |
| atgagtctgt | ctgcagggca | ctccaggagg | agcctgtgag | ctgtctgcag | ggcactccag | 73200 |
| gggaagccgt | gagtctgtct | gcagggcact | ccagggggag | ccatgagtct | gtctgcaggg | 73260 |
| cactccaggg | ggagccatga | gtctgtctgc | aaggcattcc | aagagcagcc | atgggcgtca | 73320 |
| tgcttggtta | gactgtgagg | ctacatctcc | agatgccccg | agtgtgtgtg | ttgtgagcac | 73380 |
| ctgtgtctat | ggtttccaac | tgagacagag | ggaaggactt | tgcccttttc | cctaaggatg | 73440 |
| ggtagtaata | gtccagacca | caagggacag | atagctatgg | ggttttctga | ctcatcctta | 73500 |
| gtacattatt | gctgatgacc | agtttgtttg | gatgagttag | tgggaaagaa | gaccaagtc | 73560 |
| catacactct | gctttttaga | acttgctcat | cctagccatg | ccaaggagc | agccgttgac | 73620 |
| tgtcatggca | ttacagttag | gaaataaaca | gtcctgaagg | tgccctggcag | cagcttttca | 73680 |
| agaagctggt | gttaaaagac | agtattcaaa | catctgcgga | ctgggaactg | ggcagcattt | 73740 |
| gagtctcctg | ctgtctgtta | atttaccctg | acaaggaggt | gacttgaaaag | gtttgttttg | 73800 |
| tttggggtag | agctttttca | ggaaaaaagt | ttagtctctac | agacaactct | atagttatct | 73860 |
| tagtccaaac | tcatagccttg | tgttttattc | ctaaaaagcc | tgtcacactt | tgtaaaaatag | 73920 |
| gtgctcttcc | tcaaaggata | tatttaacgt | tttatatata | aggccttatt | ctgtgcatgg | 73980 |
| aagctttttt | tagatgcttt | gtaagatggc | tcagtggtta | agagcatgta | ctgtcttctt | 74040 |
| ggaagtccctg | ggtttgattc | tcagcagcta | acaccagctg | ttattccagt | tcctgggatc | 74100 |
| tgatgccttc | ttctggccta | tgtgagcact | gcatgtgcgt | agtgcacaga | caaatgcagg | 74160 |
| caaagcactc | atacataaaa | ctaaattcaa | aaaactcttt | cattgtctca | tgtgacctag | 74220 |
| cttgagaata | cctgtgctta | tattataatc | tagtatgagc | cagccacggg | agcaacacac | 74280 |
| ctattatctc | agcactcaga | agattgagac | tagatgggtca | agagctagag | tctgggttac | 74340 |
| aaaacacctg | tctcaaaaagt | aaaagggtcg | aaaaagtgtc | tcagcagcta | agagcacaca | 74400 |
| ctgcttctcc | agagggcctc | atttcagttc | ctaataccca | caccgagtga | ctcaaccacc | 74460 |
| tgtaactcca | gggtccatgag | atccaacacc | tctggtcgct | tgcataagct | cctacactca | 74520 |
| attatacaga | gagagagaga | gagagagaga | gnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | 74580 |
| nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | 74640 |
| nnnnnnnnnn | ntctagagtg | tttcagggtt | tttttgtttt | tttttttttt | gagacaaggt | 74700 |
| ctctctatta | tgctgcctgg | aactttctat | gtagaccagg | ctggactcaa | acttatagtg | 74760 |
| atccactact | tctgcctctc | agtactggta | ttgaaggcat | gtgtcaccac | acccactac | 74820 |
| ttcaagatct | tagatttcca | aagaagccgt | agcctagaaa | aggttaataa | gtactgattt | 74880 |
| aaaacagaaa | gaaatcaggt | acacttagag | ctgtagaatg | tcagcatgtg | acatttgatg | 74940 |
| caagttgtca | aaactttgct | cttaattcta | aagagagaag | ctgtcaaaaag | acttgaactg | 75000 |
| gggctgttagc | caacttgggtc | gagcccttgc | atgaagctgt | gtgtttactc | cccagactcg | 75060 |
| tggggtttga | attgatttga | acccagttaga | ttcgtatatt | tgaatgttta | cctcatgggg | 75120 |
| aatgacatat | tacaaggtgt | ggccttgttg | gaggaattgt | caatttgggg | gtgagctttg | 75180 |
| agggtctctct | gctcaagctc | tgcccagggt | agaaaggag | cctcctcctg | gctgtctaca | 75240 |

| | | | | | | |
|------------|-------------|-------------|-------------|-------------|-------------|-------|
| gaggacatag | tctcctggct | gccttcagat | caagatgtag | aactcctggc | tectccagca | 75300 |
| ccaagtctgc | ctgcacaatg | ccatgcttcc | taccatgatg | ataatgaact | gaacctctga | 75360 |
| aactgtaagc | cagccccaat | taaatgtttg | tctttataag | agttgccttg | gtcatgggtg | 75420 |
| ctcttcataa | caataaaagc | ctaactaaaa | cacattcctg | ctgggcagtg | gtgggtgcacg | 75480 |
| cctttaatcc | cagcacttgg | gaggcagagg | caggaggatt | tctgagttcg | aggccagcct | 75540 |
| ggtctacaga | gtgagttcca | gaacagccag | ggctacacag | agaaaccctg | tctcaaaaaa | 75600 |
| aaaacaaaaa | caaacaagca | aacaaatgcc | agcatttggg | aggtagagtt | aagaagattg | 75660 |
| ggagtacaaa | gtcgtctcag | ctagtatgtt | tgaggccagc | atggaccaca | tgagacgttc | 75720 |
| tcaaaacgaa | agaaacgaat | gaatagataa | acatttgagt | gtccagtttt | ttccttttctt | 75780 |
| tcttgctttg | tttttggcgg | tgctgaggat | taaaccagg | accttgttca | tactaggcaa | 75840 |
| gcattctcca | ctgaggaaca | ccctggcgag | tgcttagtct | gtctgtctgc | ctgcctgcct | 75900 |
| gcttgctgc | ctgcttggtta | tgtgtatgag | tggtaacctg | catgtctgtc | tgtataccac | 75960 |
| agacatgcct | ggtatctgca | gaggccagaa | gaggatgttg | gatcgccctgg | aactgggatt | 76020 |
| acaaatgggt | gtaagctgcc | atgtagggtat | tcagaattga | acctgggtgct | ctgaaagagc | 76080 |
| agccagtgc | cttggttggtg | gttttatttg | gggcaggagg | tagttatttg | gttggttggt | 76140 |
| tggttggttg | gttggttggt | tttcttgaga | cagggtttct | ctatgtagcc | ttggctgtcc | 76200 |
| tggaacttgc | tctgtaggct | caaactcaga | gatctgcctg | cccctgcctc | ccgagtgtctg | 76260 |
| ggataaagtc | atgtgccacc | aactccagac | aagcagccag | tactcttaac | cactgagcca | 76320 |
| tcattccagc | ccttctttgt | gttttgagat | ggtcacaaag | tacaactcag | actgagctct | 76380 |
| tgatcacct | ccctcagcct | cctgactgct | gggggttaca | ggtgtgtcac | tgtcctcaat | 76440 |
| tctgagtgtc | agatcttgaa | aaccctattct | cgtgaccttg | atccttaaaa | caaaccctgg | 76500 |
| gagaatgagt | tctgataact | atttctcact | cctcttcaag | aaaaggaaag | ccagagaaag | 76560 |
| gggggggggg | aagccccaga | aacatttgata | acttgcccaa | agttacacag | caaaattcag | 76620 |
| acagcctgca | catctcagtg | gccatctgtg | ccatatccac | cctgcccttc | tctgacctcc | 76680 |
| ccacctccat | ccctacagac | cttgagtggt | agatcagagt | ccaagccgta | tcgtaagatg | 76740 |
| gccttaggat | ctgacatcat | ggggactctc | acggtcctgt | cctcgtccaa | atgaaaatcc | 76800 |
| tgaggggctg | tctttctcga | gtcaaaactg | gttaccact | gccctggaag | gaaacagatg | 76860 |
| gagcatcctg | agccactgtc | cccagaaaagg | ccacaggtcc | acgtctgtgcg | tccactggcc | 76920 |
| aaagcaacct | gagctgtcag | cagcaagaac | acaggagccg | ctgggtccca | gcatgtgtgg | 76980 |
| cacagaccat | aggctccatg | caccacgggt | tctggctatc | ctcctgtagt | aaactcagaa | 77040 |
| ataagtgggt | gttctctctc | tgacttggat | caccacgtc | cttctgttta | aagtggcctt | 77100 |
| taatatgctg | gtgtgtggta | cgtgcctgct | ctcctgtccc | ctggggactt | ggagtaggaa | 77160 |
| gccccagggc | tttctcttaa | gttaggatcc | actcttgcta | ctactccata | agatggtcac | 77220 |
| aaagcaacgt | aaaatggaaa | ttaatcaaac | cattcctgcc | acaagaataa | aacagatctc | 77280 |
| aggggaggcc | tgtggaagg | tctcctgagg | ccttaccact | gtctagaagg | aagttgacag | 77340 |
| cagttcttga | gcaggggtgc | gactccagga | gttgggggct | gctctgagag | caggacagca | 77400 |
| tgtattgtag | agtgtctggg | agggagctgt | gttatcctta | ccgtgaagat | gaggacacgg | 77460 |
| gctcatgggg | gcagagccag | gattaaacct | ggtctgattc | aaaaagccag | agatctgtgc | 77520 |
| ccagccccac | gcagccattt | cactggtcaa | ctaattcaga | aacacttggt | ctgatatgct | 77580 |
| catatgctac | aagcactgtg | gccttcagat | ctccctctgg | cctgggtacct | gcattcaggt | 77640 |
| tcaccaccac | acacacacac | acacacacac | acacacacac | acactcggcc | agagacaagt | 77700 |
| ggggaagccc | tcacccttga | agtaagccac | gccaaggaga | aggatgctga | gggcactggg | 77760 |
| catttccttc | gtggaccggg | caatcttccc | tttcatctgg | gcctgcaccc | agttgttaat | 77820 |
| ctcctgaagg | tctactcgag | ggttgccctg | gaggatccgg | ggcctgggtcc | cataggactt | 77880 |
| ctccagaggg | gcaacaaagc | tggatttgac | tcgaagttct | tgagaggaaa | cagatcaaag | 77940 |
| atgagagctg | aatcagcacc | ctcactttga | aagcatgcc | gaccccagct | tcctgctcag | 78000 |
| catcttcctt | tgacttgctg | gggcatctgc | cggcttgccc | agaccctggc | tagggaacag | 78060 |
| tggattccac | cgtttgcaat | ccccgtccca | ggccctcctg | ctgtctccca | gagcccactt | 78120 |
| cctctttctg | ttcctctgtg | gtctcactgg | ctctttcctg | cccaccagtg | ccaggcctcg | 78180 |
| cctgagcaca | cacagcctat | tgtttagaca | tcattggaagc | atacagacaa | cccaggccaa | 78240 |
| tgaagcaact | tcacgccagg | cataatgggg | cgtgcctgcc | cttcagaagc | agaggcagct | 78300 |
| ttatgagttg | ggggaccagc | tgagactcta | tagactttga | gagggtgggg | gggggtgggg | 78360 |
| ctactgactc | ctctcaaaca | caattctgga | agcactcttg | aggttcttct | caggggcagt | 78420 |
| aacagaggca | aggagctcct | tgtagggtgt | gtggatgtca | gggttggtga | tcagggtcgt | 78480 |
| gtagagagcc | cgggtgaatga | cagactctgt | tcgatgttca | gctcctgcc | gagagaaaag | 78540 |
| gatgccaaag | ttcataactg | ccgtgaggc | ccgcatcagg | atagggacgt | tagacatcaa | 78600 |
| tccttttgtc | ctctgagagc | ccgaggaggc | cgatattgca | gatgttttag | ctggacaaga | 78660 |
| tcttcagggc | gtggaaagaa | ataatgaccg | ccttgctagg | aagagctcta | agacagggca | 78720 |
| aggttatctg | agtcacagag | agaagagtgg | gagtgggtcc | tgaagtctct | ccatcgtaac | 78780 |
| ctaccctgtt | ctgaggagga | gccagctctg | ctcacggcag | ctgtaccctt | agaacctggt | 78840 |
| taaatgacta | aaacacgata | ggaggccact | taagggaacca | aggtcgagtg | ccacttacaa | 78900 |
| agtggtaggg | attgtgtgtg | tggcccccac | cgcccttttc | ctgttcctct | gacggcggca | 78960 |

| | | | | | | |
|------------|-------------|-------------|-------------|-------------|-------------|-------|
| gcatggaaac | tctgagtggg | ggaaattcag | gtccacctgc | agccttcttc | agttgacact | 79020 |
| cacccagaga | aagggcagag | agggcccggt | ccacgctgag | tggagacagc | aggacgttgc | 79080 |
| ccgttgggct | ggcactggat | ctcagggcgt | acagatcgta | gccgaagtgt | gagacagctg | 79140 |
| ctgccagctt | gttcacaggg | accttgaaga | aggggtcctc | ctcctccacg | ggctcgcccg | 79200 |
| tgtgtccgg | gactggggag | ccctgggtta | gaatacaagg | accagtaggg | aggcacagtg | 79260 |
| agtacatcac | ctcctggttg | ggttggtcct | ctagtccctg | gggccatgag | tctgaggtca | 79320 |
| gaatgagtgt | gtgctctctg | actccacaac | ctgtgtgctg | ggaggtgggg | agtgggaagg | 79380 |
| gcaacacaaa | agggcttgcc | agacctgaac | tgtggtctga | gaacctgaag | cctggccccc | 79440 |
| tttaaaataa | aacttgtagg | gctggggaga | tagcacagta | gataaagtac | cagcatgcaa | 79500 |
| gttcaaggac | ctgggttcag | tccccagagc | tgggcacggg | ggtgcatgct | tataatccca | 79560 |
| acactgggga | ggcagagatg | ggcaggtcct | ggggctcatt | ggccaatcag | cctgaactaa | 79620 |
| tcagcgtatt | ccatctcagt | gaggggtcct | gtttcagagg | gcctgaggaa | tgactctggg | 79680 |
| ttgactacta | gcctactctg | tgtctgtttc | tgtctgtctg | tctgtctgtc | tgtctgtctc | 79740 |
| cacccctctc | tgtcccttcc | cctctgcagg | gaacttcttc | accaccacca | acccccaaag | 79800 |
| aaacccaccc | tcagaccagt | cttccctatt | cagcttgcctg | gctggctcta | gtctgcctag | 79860 |
| gttctgctgt | gacgccctcc | ctgtctttcc | tgacaagcca | tccctcttga | ctagacccca | 79920 |
| gaggaatttg | tcgttttctg | acctgttttc | agtgtcagcc | tcttcccttat | gagactttct | 79980 |
| gcttttttgt | tttgttccca | gggcttttga | tcaaagctgg | gctcttacat | acgttaggca | 80040 |
| aatgcttggc | cacccagctg | tacctcccg | ccctgttgc | tttcggtttg | gaggactttt | 80100 |
| tttttagttt | tctgtttggg | ttttgggttt | gattttttgt | tgtttgtttg | tttgttttga | 80160 |
| gacaggattt | cgctatgtga | ctctagctgt | cctgggagct | actatgtaga | ccaggctggc | 80220 |
| cttagattca | gagatccacc | tgccctctgcc | tcctaaagtgc | tgggattttt | agattttaat | 80280 |
| ctgtacctac | caacctcaaa | ggaagtgtcc | atggatagag | ttcagtacta | catcatgtgt | 80340 |
| gtaacatgtg | tgagggcctg | ggcttcaccc | ccaacagaga | agggggagtt | agtaggtgag | 80400 |
| gaataagtga | ctggctagt | gcaagacagt | attgtctaag | gtcactaagc | cttaagccac | 80460 |
| acttaaagcc | cacaatccag | gtctaatatg | cccactctgcc | ttgtccttgt | gtgacatgac | 80520 |
| cccaccccta | cttccctccg | atagtggcag | ctcctctgga | tcctgaaagg | agaggggaaga | 80580 |
| tattcttgtc | tcgatgttaa | agtaaccaag | gcctagaaga | gtgaaggcca | aagcccaccc | 80640 |
| tggatccagg | gctgcctccc | tgcactgtct | cttctgtgtg | cccacctacc | cacctactg | 80700 |
| acctcagagc | tgctggggag | gttctggctg | ctgccgtgcc | cgagcagggc | tccagtccag | 80760 |
| aggagttaga | ccagggcctg | catcccggaa | ctacaagaga | aacaagagag | caaacgactc | 80820 |
| ccctcaccca | cacccctccc | tgccactgca | cattgcacac | tgcacaggga | caagagtcag | 80880 |
| gcagagttag | cccttccctc | ccctccagct | ctcagcccca | agtggaccct | tgacttgagg | 80940 |
| tcttccgtcc | ctgacctgcc | cctgcacttc | tccttgagct | gtgcccccat | gttgggtcct | 81000 |
| atcaggagac | ccaccttccc | atctaagctc | cagcacaggg | aagaccacag | agcaggctct | 81060 |
| tcaggcccca | agacaatgct | ctagcacaaa | cacacaccaa | ggcttttccg | tggagggcaca | 81120 |
| cggccagctc | ctttggtagg | atttggaacc | ctgtctcagg | atgggagcag | agcccaggtc | 81180 |
| atagacttac | agaacatctg | gtctggtcct | gctatccacc | aatagtcttc | tgaccaaaag | 81240 |
| ctatgttaaa | gacacacaca | cactttcttc | taggtaggtt | cttgtgtatg | tagcccaggc | 81300 |
| tagccttgaa | gttgacagta | ccctacttca | tttgctctct | gagtactaca | atgccagggtg | 81360 |
| tgagccatca | tgctgacttt | gactcccttc | ttctatttca | agagcaattc | ttagttaaga | 81420 |
| gggtatgaac | cagggccaca | ctgccnnnnn | nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | 81480 |
| nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | 81540 |
| nnnnntctta | tttttagctt | gtttgttttt | cttacttgag | acctggggag | gggaggtgta | 81600 |
| tgtgtcttcc | atttgcttct | tctacctaatt | aaagtcttct | ggtgatgttt | gggggggggg | 81660 |
| gagggggtag | gactcaagaa | gggattctcc | cataagctgt | tccgtttggg | tagtactatg | 81720 |
| taaggaagtt | acaggtgggc | agagctcggc | tctgcctgac | tggcgtgctc | tgaggtaaag | 81780 |
| gtgagatggg | gcaagatttg | ggccctcagg | agttggctct | gttggccctg | taccttctgg | 81840 |
| tctgtgggta | aggatgacca | gtaggtgaga | gatgagggaa | ccagaacaga | agggtgaaagt | 81900 |
| tagtggggcg | gagccccaga | ctagtccagg | gggggtaaac | tagatgactt | tctggaaccc | 81960 |
| caaggggctc | ggagactagt | ggtgttgagg | aagacctcta | atgtgttgta | aggcctctga | 82020 |
| actcagtagc | cgaacttgat | gccagaaagc | cccaaactgc | taaaccacaa | caggagcggg | 82080 |
| acgccatccg | ttccatggct | tcacccgagg | tggcccccag | gctgcgcca | tcaatgagca | 82140 |
| gccgagagat | aggggctggg | acaagccagg | aaaagttaca | gcacgctgga | aagataatac | 82200 |
| aggccaggaa | gccccaggca | cagcaggggtg | gaaaagctag | atccccgattc | tgccggagggg | 82260 |
| gggccccctc | gaggtcccgg | gcaccggggtg | ccaggatcag | agaaactgac | tgaaacctag | 82320 |
| ctgacctgcc | cagacctagg | catcctgggg | actccttgtg | gctggcgctt | ccttcacggc | 82380 |
| gtttcgggga | ctgcactggg | ggctgcagct | gctgccacc | ccgaaatctg | ttcgggaccg | 82440 |
| ctggatgtgg | cggaaacattt | tcgtttcgct | gatacacagc | ctactctctg | gagtaggggg | 82500 |
| gctggctcgg | tgcggaactt | ggggactgac | aaagcactga | ggggcggggg | tggaagagag | 82560 |
| ggcctggaag | actgaagttg | gaaccttttg | gaatggaact | ggtttggggt | gtggatgggt | 82620 |
| gggagtaccc | agtgggagaa | tggatctagg | tctgggagaa | attgacctta | gctctttgtc | 82680 |

| | | | | | | |
|-------------|-------------|-------------|-------------|-------------|-------------|-------|
| ttctccaggc | tgtggcagtt | tctccaaatg | gtcaccgacc | caattaatga | tcacccaccg | 82740 |
| tgggcacggg | tcctagtagc | agtgtcagtg | ggtgagtgtg | cagaaaaggc | tgaatcgggg | 82800 |
| aaggccttgt | tggaccggga | attctaggtt | cctcccccat | ctttggaatg | gagcagatgt | 82860 |
| tgtctggaggt | ttgctgtgag | gaattaaggga | cctgagaaaa | gtgggacttg | agatatctag | 82920 |
| gctgtgcatc | agctctgagc | gaggagcctc | atagtcttct | ccgggtgcctt | cagggttatct | 82980 |
| cgctgcagat | ggagttgata | tgtctgtgga | ccagacattg | gccagggcct | gggaccttct | 83040 |
| ctgtcaccat | ttggcggtaa | gactctgaag | ggagaggcca | ggtagtaagg | gagcatgtcc | 83100 |
| aactcaaggg | cccaacctct | ctcttcagtg | ttctgtcctc | tgacttttcc | acaaagcccc | 83160 |
| ctgaaaacct | atcctctcag | acttggattg | agttggaggg | aggttttgac | tggctagcca | 83220 |
| ctcctgggca | ctgcccagg | agtttggttc | tccccacaaa | cctccagctg | atcataaaaa | 83280 |
| aaaaaaaaaa | aaagccagga | atgaaaagcta | gggtatgcta | tgcaaatagt | gtggcttggg | 83340 |
| gtaagagaac | ctctgggtcca | gggctgtcta | tgccccctag | ataaggggtca | gcagaaaagg | 83400 |
| caggattgga | ggcagtccta | aaaaatgctt | gggtaatata | aagtgaataa | ataaaaaata | 83460 |
| aataaatact | aattttttaa | aagctgatac | ctggaaggat | gaggcagaga | gtagaaaaaa | 83520 |
| catgcgtggg | tgtccctagg | ataaggagct | gggacttggt | gggcacagg | catgcaaaag | 83580 |
| ctgaaccttg | aaccttgctt | gcaggtagtg | agctgcctca | gcaccgctgt | tgtgtctggc | 83640 |
| cactatgtgg | gcttctctat | ggtatccctg | cttctggagc | tgaactccat | ctgtttgcat | 83700 |
| ctacggaagc | tactgtctgt | ctcccataag | gccccatcct | tggccttcag | agtaagcagt | 83760 |
| tgggccagcc | tggccaccct | ggtcctcttc | cgccttctgc | ctctgggatg | gatgagtctg | 83820 |
| tggttgtccc | ggcagcacta | ccagctgtct | cttgtctctg | ttctgctttg | tgtggctggg | 83880 |
| ctggtcaccg | tgggcagcat | aagcatctcc | acagggatcc | gaattctgac | caaggatatc | 83940 |
| ttgcagcttc | agccctaccc | gtttatcctc | atgcacaagg | aaaccaagac | acgtgagcct | 84000 |
| gttggccagga | acacttccac | tctcagtcgt | aaagggtgtg | aagttttctc | ttctgtcagc | 84060 |
| ccccaggggag | gtggggctgg | gaagaggaga | tggtagccca | ctgcatagtc | tactatgtag | 84120 |
| caaggactag | actgtatcat | cagagagaga | gagagagaga | gagagagaga | gagagagaga | 84180 |
| gagagagaga | gaacattgta | tgagatctcc | attacagtca | ggaaatcagg | agatctaaat | 84240 |
| aactttaaaa | gtcccacagt | ctttacatat | tcttaaaatt | tcaatctctt | taaaatatcc | 84300 |
| atctctttta | aaattcaaag | tctttttaca | attaaaagtc | tcaactgtgg | gctccactaa | 84360 |
| aacagtttct | tccttcaaga | gggaaaaatat | cagggcacag | tcacaatcaa | aagcaaaagt | 84420 |
| caatctccaa | ccgtccaatg | tctgggatac | aactcacgat | cttctgggct | cctccaaggg | 84480 |
| cttgggtcac | ttctccagcc | aggccctttg | tagcacacgc | gtcatcctct | aggctccaga | 84540 |
| tactctgtact | ccactgtgc | tgtgtctctt | ggtggtcatc | tcatggtact | ggcatctcca | 84600 |
| aaacgctgca | tgacccttcc | agtcctgggc | cttcaagaga | gaagactaga | gcctggcaaa | 84660 |
| gtggcacatg | ctgataatgc | tagcacttgg | gaatgacaag | cagaaggatc | agaagttcaa | 84720 |
| ggccagcctg | ggctacaaga | gactctgttt | caacaaacaa | acaaacaaac | aaaccaaaaga | 84780 |
| agagaaagaa | aaaactggac | atgacagccg | gaacattatc | tgacattcat | aaggctcctga | 84840 |
| gttcaatgcc | aagttggcag | tgcctagttt | gataagggtc | tagccactct | ggtaatacca | 84900 |
| tggctgactg | aacacettac | ccagcaactt | gctgatagac | tctgccttcc | agcaaaaagg | 84960 |
| aggagcttct | ctgaggagag | aacattgaac | cctattgtat | atgaataaat | tgtgtgtcaa | 85020 |
| atgatttcat | cagtctcttg | tgaatgtgat | tgtctttagt | catttttctt | ggctccagtg | 85080 |
| ttatcctggt | gtgtggagtt | gtgtggagtt | gtggaagctt | tgagttggga | gggtttcctg | 85140 |
| ttaagggttt | tctggctctt | ttctttcctc | ccggtttttg | ttttgtttgc | ctggtggggg | 85200 |
| tctctggtgt | gtgtgtgtgt | gtgtgtgtgt | gtgtgtgtgt | gtgtgtgtgt | tagaagttgg | 85260 |
| cgggggggtg | agggggctgg | agagatggct | cagcgggtta | gagcgccaac | tgctcttcca | 85320 |
| aaggctcctga | gttcaaatcc | caacaaccac | atgggtggctc | acaaccatcc | gtaacaaaaa | 85380 |
| aatctgatgc | cctcttctgg | agtgtctgaa | aacagctaca | gtgtgcttac | atataataaa | 85440 |
| taaataaata | ttaaaaaaaa | aagaagttgg | catggatgat | gtagtgaaga | ctggcattag | 85500 |
| atatctctgg | atccccctgc | ctctacctct | tagacactgt | gagtatggaa | gtgtaccacc | 85560 |
| gcaccaggcc | aggctagaac | attctctgat | ctacaaatac | ctagagtatt | attcctctat | 85620 |
| gatcagaaaa | cagacccagg | gggccacaga | aatgtccttag | taggtaaaaa | cacttgcttt | 85680 |
| caggcctgat | aacctgcggt | tttttggttg | ttctgggggg | cgggagaggc | tggctggctg | 85740 |
| gctggcctgg | aattcacaga | gatccacctg | cctctgcctc | ctgagtgtca | ggtaccagga | 85800 |
| tcacagggtg | gtgccaccac | acttggccta | actgcctgag | tttgagcatc | agtactcaca | 85860 |
| tggtagtgag | gatagaatag | actctcacca | gctcttctga | cttccacatg | tgccctgcag | 85920 |
| catgggctct | ccttccccaa | aggaaaaata | aatgtaagaa | ttaaaaaaaa | aaaaaaaaag | 85980 |
| caaaccagg | tcttgtgtga | tggctcagca | tcaaagctac | ctcccgcac | agctgaccac | 86040 |
| ctggtgataa | cttatagcct | tgttatgctc | tcctttgacc | tccacgggca | tgtgtacac | 86100 |
| gtatgtgtgc | ccacacaaac | acacaatcaa | gaaataaatg | cagccaggcg | aggtggcaca | 86160 |
| ccccttatac | ccagcactt | gggaggcaga | ggcaggtgga | attctgagtt | cagggccaac | 86220 |
| ctggcttaca | aagtgtgttc | caggacagcc | agagctacac | agagaaaccc | tgtttcgaaa | 86280 |
| taacaaaaaa | aaaaccactt | taaatattat | ttttattttg | ttttgtttat | cctggaactt | 86340 |
| ggtctgcaga | ccaggctggc | cttgaactca | cagagatcca | actgcttctg | cttcccaagc | 86400 |

| | | | | | | |
|-------------|-------------|-------------|-------------|-------------|------------|-------|
| acattaaagg | atgtcccacc | actgcctggc | taaagattta | ttttttcttt | ctttttgttt | 86460 |
| tgttttgttt | tgttttttct | aaaaaatttt | tttaaaaaga | accatccctc | ctagcactca | 86520 |
| ggagactctg | aagtcagggc | cagccaggtc | tactgagtga | gctctagggc | agccagggct | 86580 |
| ccacaaagaa | accctctctc | aacaaacaaa | caaaagagaa | cagacccaac | cagacctgag | 86640 |
| gacacacact | tgtaatctaa | gcccttgaga | ggctgagaag | ttcaaggcta | gccacaagtg | 86700 |
| tgtggtgcat | tcaagagcag | cctgggtggg | ctacagaaaa | agaaagaggg | agagagagaa | 86760 |
| tggttaatga | agatgactct | ggaaaagtga | aactcaagag | aaagcccctc | agatttgctt | 86820 |
| aagacgagtt | gaggggtggag | aaccgcCaaa | gcggacgagc | cagacagaga | ctgccaacaa | 86880 |
| agttcaatcg | gttcaggtac | attacttcca | aaacgccatt | gccacatcag | gatgcttcaa | 86940 |
| tcagccaaac | caacgcagcg | actattgact | tctgcatttc | agagacttcc | gtctctgtcc | 87000 |
| agggcaatgt | cacttttagct | ttccttttga | gaaaggaaaa | gtccctgcct | ctgatgtggt | 87060 |
| agatcctcac | acaccttctg | ccagatccag | acactgggat | gactcagcct | cggggagctc | 87120 |
| tatctacaga | gataagggtg | caaggcgtgt | gtgtttaaag | tatgtgttta | aaagtacaaa | 87180 |
| gtgagagtcc | ctggaaaggg | ctccctgccc | tcaccatcac | cgaaagcaca | aaccttaggg | 87240 |
| taatatctga | cattcctgga | aatgtatgta | tgtattcatt | atgtagccct | gactgtcctg | 87300 |
| gaatggggta | taaaccagga | tggcttcaca | tctcagagac | ccatttgctt | ctgcctccca | 87360 |
| agaactaaga | ttagaggcat | gcactaccat | acttggctca | tgatttactt | aactttattt | 87420 |
| tatgttcacg | aatgttagcc | tgcattgtatg | tgtgtgcacc | atgtgcatgc | ctggtgcccc | 87480 |
| agaggccaga | agaagggtgt | ggttggattt | cctggagatg | aagtcccaaa | caactgtaa | 87540 |
| cagtccaatg | tgtgtgctgg | agatgaaact | tggttcatcc | acaagagcag | tatgtgctct | 87600 |
| taactgtgga | ggcatatctc | cagcctcaga | tttccaggtt | aatgtttgct | ttcgcaccca | 87660 |
| ggcccatctg | cgcattgcct | ggagacctcc | tttaccgcct | tgagcctcat | tggccaattg | 87720 |
| tggctgggag | acttgcagat | cccaagtggg | acaagagaag | aataaaactg | tgtgctatga | 87780 |
| actcacctct | tctctgtagc | cattggctga | gcatactttg | cctcaaccta | ccgcccttcc | 87840 |
| ttccccta | cctaaatctt | tgccctctcc | aaatgtgctc | ctcccccgca | gtaatccagt | 87900 |
| ggctgctggg | gctctagaga | gatggggggg | gggggagcaa | cgggtacagc | ttaaggcagc | 87960 |
| tgcagcagaa | cttttttgct | gtatatgtgag | tcttaaaaaat | tcatataaac | tttgtgttct | 88020 |
| gtttctaaat | ataaccccat | ctgtttcaac | acaaaatgca | acaacaaaat | gtttcaaatt | 88080 |
| gctattttgga | ataattaaaa | aattttcaata | cttgatttta | aaatgcttta | acttttttaa | 88140 |
| taaatttttaa | atgttattat | ttttaaaaag | ttacaagttt | aaaaaaaaaga | aagatagaaa | 88200 |
| tcacataatg | aaatttaacca | tacgcaagtg | aggctcgggt | cactgggtaca | cagttacagt | 88260 |
| agccatttgg | agtggaggcc | atggcgcctc | acattgaatt | ttatactttc | tttatagaat | 88320 |
| attttttatg | cacctatcta | ctactgataa | caaaacaccc | atgagagagt | tagaattaga | 88380 |
| catcaattag | ctttgatect | ctgtcataac | tcgtgtccac | tccttgccct | agtcctacct | 88440 |
| catccctgtc | ctctttttcta | catcttatac | tgaatccaca | cactcagttg | tttacacaaa | 88500 |
| cacatacatc | actgtccann | nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | 88560 |
| nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | 88620 |
| tgccctggctc | tgtttttgcg | ttgttgtttt | tgtttgtgtg | tggtgtttaga | tttggtttgg | 88680 |
| tttggtttga | ttttgttttt | tttttagagaa | tcttactatg | tagctcaggc | tgctcctgaa | 88740 |
| ctcacagaga | tctctgtgct | ctgccttcca | agtgtctaga | ttaaagggtat | acaccacctt | 88800 |
| acctggcccc | ttctatctat | ctatctatct | atctatctat | ctatctatct | atctatctat | 88860 |
| tatctatcta | tctaaaattt | atctgtgtgt | gtctgtgtgt | acattcccca | gagcctgtgt | 88920 |
| ggtagtcaat | aagtaaccct | cagaagttgg | ctttctctaa | tccttggaac | aaacttgaat | 88980 |
| tgtaggctt | ggtagcaagc | atgtttaccc | actgagccat | ttatgacccc | atggcccagc | 89040 |
| atcttccatg | ggttctgggg | acacaaatgt | gtactttgat | gtttacagga | caagcgctta | 89100 |
| accaaccaag | tcattttccc | agccccatcc | tgactcccat | taagtgttct | ttcccccaac | 89160 |
| ccaggaccaa | atctagagga | gtgtccatgc | ccaacaaaca | ctctgccaa | cctctcccc | 89220 |
| tactgctctt | ctcccttccc | ttccttcatt | tcttcgttcc | ttcttttctt | tctttttgaa | 89280 |
| acaggtcttt | tctctgcac | ccaagctagc | cttgaacttg | tgatgtagct | caggctggct | 89340 |
| ttgaactcac | agctgtcctc | ctacttcagc | ttcccaacaa | ctgggattat | agacctatgc | 89400 |
| taccacacct | ggctcatttt | tcaaataaat | aaaaagaaaa | tcaaaaagtt | cctagaacag | 89460 |
| tcacaggatt | cacaaaaact | ttggaaggag | actaaaaatg | gattttttaa | aaatgcttga | 89520 |
| agcaciaaaga | gttgttgaaa | gaagagagaa | gaggaaaagt | tagcttagta | ggtagaagtc | 89580 |
| aatcaagcct | cacaccctga | gttcaattcc | tgaccctatg | gtagaaggag | aagagcaatg | 89640 |
| ccggaaacat | tatcctctga | cctccagacc | cgctgtggca | cgtgcatgca | cacacacaag | 89700 |
| caggagccct | tggagggaag | tcctagaaat | gaatcttact | gaagcaggct | tgccaggccc | 89760 |
| tgtgctcagc | cattttattt | ttcctttgtg | taccgcagac | gcttccattc | tcaaaagtgt | 89820 |
| gagtctgaga | ggaagtactc | actgtgtccc | cagtgagctt | ctgtcttacc | ctgggtcact | 89880 |
| tagatggggg | cacttagtgg | tagccttggg | gtggagaaa | agaacacagg | tccgagtagc | 89940 |
| cagtagacct | gagtctttat | atctgcaaag | gggtgtgggg | cataatcaaa | tctccccccc | 90000 |
| tccccggggg | cctgatacca | ggttgtatta | agtgtatgtg | catggtcctt | ccaagtcttg | 90060 |
| acacatcatc | caactccaag | tggctttctc | atttttcctt | gccagtagcc | tcttggtgag | 90120 |

| | | | | | | |
|-------------|-------------|-------------|-------------|-------------|-------------|-------|
| gaaatggctg | aggaaaacag | agttgcagaa | agacagggcc | atggcctggc | tgcaggcttt | 90180 |
| ctctgagctc | gaagaggggc | agcgactctg | agaaatgaag | ctatttctga | gtgagagggg | 90240 |
| ccaaagaagg | aacacggcag | agggagagcc | cccgaggaga | tggagacaga | agccggagag | 90300 |
| ggaccctgtg | cgaggctgga | ggggaggaag | aggggggagg | agtgagaccc | actgtcatct | 90360 |
| gttgggcaga | gaggggctac | attcatctgc | agtatgggtg | agaggggaca | gagagtgatg | 90420 |
| gtaacaggaa | aaatttgggg | ttgagggggg | cagcctgtag | ggctgggccc | cagcagtgtg | 90480 |
| cagctaggta | gagtagacag | taactcccag | aattctctgg | ctccactaaa | tccctgttcc | 90540 |
| gctccgtgca | gagtaaaacc | cacacagggg | gyatttctag | ctcctttgca | ccccctcca | 90600 |
| ccccccctcc | acccccagct | ctggtcacag | ccagtcagag | ttgggggtgg | ggcagatctt | 90660 |
| gtaaaagagg | ctgggtgagga | catcggaag | tctgtaccct | ccactagcaa | agtgccagac | 90720 |
| gctccgtgac | acttttaaatg | cctcagataa | aacagtgaga | gactctcctg | gtggcaggca | 90780 |
| agatgatggg | tcagggacct | cagcgctctc | gaggctcaga | caccaggata | aagaataaaa | 90840 |
| acaccacgga | gacccctgtg | accccctcgt | gcagagggag | aatgccaatg | tggcccagct | 90900 |
| agctgctgga | gcgcaagcct | caaggcctgt | gctagtattg | agtctactgc | tgctgccttg | 90960 |
| tcccaataaa | cccccttccg | cccaggatta | gtggacacgc | cttgctcaag | ccgagtcctt | 91020 |
| gatctgccac | cttatcacac | acatacaaaa | atcccttgag | gatgggtacc | atcctgggac | 91080 |
| aaagcctcat | tctctgctta | acccaagtga | cacctatatg | gcagatccct | gtgtccttct | 91140 |
| cctgatgata | acaacccttg | caatccaata | gaggggaact | cgggtttctg | tcagcttcct | 91200 |
| ttatgctgat | agaaatgtac | tctgcatgtg | gggagcctgc | cttgctcacc | ctgagacccc | 91260 |
| atggggctgg | ctggggcttt | gcacatcatt | gggactcaga | gatgttgact | acatgaacgt | 91320 |
| cccacacttg | gttgacacaag | gcagaatgac | aggatgttat | gcctgggtgtg | tgagtgtgtg | 91380 |
| tgtgtctctg | tgtgtgtaaa | acgcctctct | ctggagccct | cctgtctgtc | tgccctctgt | 91440 |
| tcaatggctg | cacaattgtc | ctttctcttt | ccaaggacct | ctgtatgggt | gtgtccttca | 91500 |
| ttcagtgcct | ttcctctgtg | ggtttgcct | gctagcccc | tgtcactgag | aaagtcttct | 91560 |
| gtctgtcctt | gggttgtctg | gctagaacac | agacatcatt | gtcttttttt | tttttttttt | 91620 |
| ttttttttta | agatttatatt | atatgtaagt | acactgtagc | tgtcttcaga | cactccagaa | 91680 |
| gagggagtca | gatctcgtta | ggatgggtgt | gagccaccat | gtggttgctg | ggatttgaac | 91740 |
| tccagacctt | cggaagagca | gtcgggtgct | cttactcact | gagccatctc | accagccccg | 91800 |
| acatcattgt | cttgccccag | actgctctcc | agaatgggtg | gcaggaggat | gtgaccccc | 91860 |
| acccccaggc | accgggacac | aacatcttct | acacgtgtag | gtcttgtgca | ctggctttgc | 91920 |
| tttcttcttc | caagcaggtc | tcccaggaaa | tggcacttac | agagattgaa | gagtttaata | 91980 |
| catgtctcgc | tgccctctct | ttcgggaacc | ccccagaggg | agcagcagaa | accagggtctg | 92040 |
| gcaggggctc | taagctgcct | gggcaaaagg | gcagggggta | gcatggagcc | ttagccaatt | 92100 |
| tggaaagcac | tgtgacccaa | gcacattttg | cagcagtaat | gtcaaattct | gccgttcagg | 92160 |
| catgccattg | atgtgcacgc | tgccacacag | aaaccagtga | cacaaaggca | cagccttctc | 92220 |
| caccctcctg | gtgcttagga | actaacggct | ctaattgagaa | atgagagctg | aaaggagaga | 92280 |
| gacggggggc | ggccacagca | gcgcaggctg | gcactgcgtg | ttggaggagg | ctgacccact | 92340 |
| tctcgtagag | gtaagggggc | cactgaaaatg | tcacttaaat | tagccaccac | tcccaacact | 92400 |
| agatctcctt | tgtccccata | cctcagcccc | acgcttcttt | ctttttttct | tctttttctt | 92460 |
| ctcctctggg | gcagcctcaa | gcccagcacc | cacttttttag | agctgtaaac | caccctgggtc | 92520 |
| ctagaagccc | tcttagctta | ggggatgaca | ggaggtagag | atcaggaagg | agggagggag | 92580 |
| gggaggagga | aaggaaaagg | gaggggagag | agggaaagag | atcgagagag | catgcattca | 92640 |
| tcacaaagag | ccctcttttc | tggtctttttg | actgcactgt | gagttattta | gccaacaata | 92700 |
| gatgtttatg | tatttttttta | gaaccctgat | ttattaacag | cctgaaagga | gagagacgga | 92760 |
| gatttatata | ggaagtgcag | tgagttaagg | ggggcaatta | agagagcaga | aagagatacg | 92820 |
| gaacacagac | ttgtaaaggg | ttttgttaaca | tccaatcaaa | ggtgcttcag | gtattttcca | 92880 |
| aggaagcaga | aggtaaaaaa | aaaaaaaaat | tgtcccatta | gaagctgaca | ctggatggag | 92940 |
| caatggccca | ggcggaactc | ctgcttgaag | gaaggtgaga | agggagggac | acagaccagg | 93000 |
| atccgatgag | ccagagtgtg | gccatagctg | ggtcatgagg | cccagggttg | gaaggacccc | 93060 |
| actaaagtgt | gcactggcct | ttccttgaca | aaggatgcac | ctatagctag | gcgtggtggc | 93120 |
| aagtggttgt | tattctagta | cttaggaggc | tgaggcagga | ggatcaccat | gagtgtatgc | 93180 |
| ccagcctgga | ctgcatagca | acaccagttt | tcaaaataac | aacaaaagga | agtgggggtg | 93240 |
| gggagggcaa | catttggaat | gtaaataaat | aaaacatttt | ttttaaaaaa | agaaaggggc | 93300 |
| tagtgagtta | gttcagcggg | taagagcgct | gactgctctt | ccgaaggttc | tgagttcaaa | 93360 |
| tcccaacaac | cacatgggtg | ctcacaacca | tccataagga | gatctacgcc | ctcttctggt | 93420 |
| gtgttttaaag | tcagctacaa | tgtacttaca | tataataata | aataaattct | ggagtgaagg | 93480 |
| ggccagagca | agtagagggtc | ctgagtttaa | ttcccagcaa | ccacatgatg | gctcacaacc | 93540 |
| atctgtacaa | ttacagtgca | ctcatataca | taaaataaat | aaataaatct | ttaaaaaaag | 93600 |
| aagaaagagg | gtggggcagg | ggaggggaaga | agaagaaagg | taagaagcta | aataaaaggc | 93660 |
| acagagatga | gcttcatgtg | gaaacacagg | cctgtagtcc | tggcactcag | gtgggggttg | 93720 |
| ggggggctac | agtgaagagta | tcatgagttc | aagggtcaact | tgggtgagac | cttgtctcaa | 93780 |
| aaaatacata | ngcnaaaaaa | aaaaaaaaaa | acatagccag | gcatgatggt | atacatttat | 93840 |

| | | | | | | |
|-------------|------------|-------------|-------------|-------------|-------------|-------|
| agtcccagca | cttagaggac | tgaggcaggg | cagaaagaaa | aggaattcaa | gatcaggctg | 93900 |
| agctgtatgc | agtcctgatc | ctatcccctc | ccccccccc | ccagagacag | acagacagac | 93960 |
| agacagacag | agagaaacac | aaagaaaggg | gccttcagat | ggctcagcaa | ttaaaggcgc | 94020 |
| ttgctattca | gaccccatga | cctgagctca | aagcctggga | ccaaggtag | aaggcaagag | 94080 |
| ccaactccac | agagctgttc | tatgatctct | atatgaatgc | tggggcatgt | gcctacacta | 94140 |
| tgttgtgcac | acatgcacag | attagaaaaa | gaggaggaag | aaaaacataa | gattgtttca | 94200 |
| agaaaagaaa | ggctggcttc | ttccacgtca | gtgtgagagg | agggctctggc | ccctttgtag | 94260 |
| ccaggtcctt | cccagtcacg | tgggggctga | actgaygcag | cggaggaggc | aataacggag | 94320 |
| ctttcccaac | gcagtgtcca | gcaaactcaa | ctctacagcc | tgtcctgatc | cacagagaag | 94380 |
| ccttcctggc | tccctcacca | atgcgggggc | attggctccc | aggctcctgg | gccccccccc | 94440 |
| acacctgtgg | agtgttaggt | gatttgctaa | tgttgggcaa | catttgccca | cgtgggggtt | 94500 |
| ttggctcttt | ggtaatatag | atgcctagca | ggagggcgga | gcttggaggg | gggagtcctg | 94560 |
| gggttgcccc | tggctccctg | cagctggggt | gtctggccag | ctgaagaagg | agccatggca | 94620 |
| cgc aaatggg | agagcatgga | acagaggctg | tggatgctaa | gcaatatggg | aggcagtcta | 94680 |
| agcttggaag | cagcaggtgt | ctgggaacgg | gcctgtggcc | caggcagatt | tccagtgagc | 94740 |
| actccagttt | tttggcacia | ggaacaagct | ggctgagccc | aagaggcaag | tggtgataat | 94800 |
| gaaacccgca | gttgaggaac | agcgggtaag | ggtgccatgg | gagcccatgt | gctcatgaag | 94860 |
| aggctggggg | gtgaagaaga | gccccatgcg | ggaagccaca | catcccctcg | agttccaggc | 94920 |
| agaggcagag | tccctgagtg | gggctccctg | ggtctcccct | tacctaacca | gtctcccggc | 94980 |
| accccagcaa | acaaaatccc | atccataatt | tgaggtttat | agagacctca | aaggctgagc | 95040 |
| tactgtgtgc | cactaaccat | cagcctaacc | ctccccact | gtcttctcta | gctgcccctc | 95100 |
| tttcttctga | gactgtgata | gtggcgggga | cgggttggga | gtgtgtgtga | agccctctcc | 95160 |
| gactctccaa | ccccagctga | gccccctggt | ctgcagctca | gtaacacagt | aacacaggct | 95220 |
| cagttctaca | ctgggtgaga | acactcacgg | ctctctcagc | tccttagaga | gcctgttttc | 95280 |
| tcattttcct | gtcccccagg | cctagacaat | ggctgggtcca | tttgtaagct | tatctgagga | 95340 |
| tgccaggggc | caccccatgt | ctccactagg | ctggcaatgt | tctctgtcac | tgtagtacag | 95400 |
| aagactgcct | ggtgggaggt | gagataagga | aagggatggt | ctcccctggg | gttcccacac | 95460 |
| agtgtctgag | ggaaaatggc | agaatgggct | gggaggtaac | tctgttgcta | gagtacttgc | 95520 |
| ctagcatgtg | caaggaaggg | cctgggttcc | atccccagca | ctacagaacc | caggcgtggt | 95580 |
| ggttcatgct | ggtattctca | acattcagga | ggtacagtca | ggaagagcag | aagttcaagg | 95640 |
| ccatcctcag | ctacatagct | agcttgagac | cagcctgggc | tatgtgagac | tttgtctcca | 95700 |
| acaaacaaca | acaaagcagc | agaaggccaa | ctggcaagag | gagtattacg | taaagtaaat | 95760 |
| ccatctcaaa | aagcaagtag | catgtatctt | ctttcatatt | tttttacatt | ctataaaggc | 95820 |
| ctatcaagtc | atgtatatat | gcatgtatgt | ttgtatgata | tgaaagtagg | gggctggata | 95880 |
| gatggctcag | cagttgagag | cacttggtatg | ctctttcaaa | gaacctgggt | tcaattccta | 95940 |
| gcacccacat | ggcagctcac | aactgtctgt | aattccagtc | tcaggggatc | tggcacccctc | 96000 |
| acacagatat | ccacgcacat | aaacaccaat | gcacataaaa | taaataattt | ttaaaaaaag | 96060 |
| aaattggaag | taaaactctc | taaggagaca | aaagggactg | aggggaagtg | ggaggggcat | 96120 |
| gaagggggag | ggcataggtg | tgtgggtgtg | ttaacatgca | gaatacactt | ctataaaagc | 96180 |
| tttgggggtc | attatgcaat | gtatacatgt | gtgggtgcaa | gatgtaagct | gtgcataatg | 96240 |
| gtggggggcca | aaggctcctc | cctcaatccc | tctctgcctt | attttcattt | aaattataat | 96300 |
| tattactatt | agtggtgtgt | gtgatgtgtg | tgggtgtgtt | aagccctcac | ggcaatcaga | 96360 |
| ggatgtctgt | ggtctgagga | tgtctcttta | ccatgttctg | gtgggttctg | tggatggaac | 96420 |
| tctggtagtc | aggtttgcaa | agctagtgtc | tttatctgcc | gagccacctt | gctggccttc | 96480 |
| aaccttattt | tttgcatgta | acatggaact | tcctgagttg | cctggacagc | aagtcccca | 96540 |
| gacctcctg | ttcctgcctc | ccccntgtcn | nnntcacang | aggacacacn | gcttantggg | 96600 |
| tntccggatt | gctgcncacc | tccccgcnc | ccnagcctcc | tgcctccccg | cccctcgccc | 96660 |
| ccgctggnc | ctcccccccc | cccccccccc | cccccccccc | cttccccccc | ccccnnnnnn | 96720 |
| nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | 96780 |
| nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | 96840 |
| agctctaact | gctgttaaat | tcacactcct | tcacatcccc | acgctaggac | tctaaggagg | 96900 |
| caccagcaag | gcccagggtc | agcttgactt | agagcaaagc | atcctcccc | ctccacacaa | 96960 |
| tggaaacgga | cggaaagggg | catggaagca | gaaccagaca | acagcagcct | agccaagccc | 97020 |
| aggactctgc | tccttcccc | catgcctgcc | gtgcaactgg | ggaggcaaa | ccccagccgg | 97080 |
| tgctttctga | ccgcttagcg | gaagacaagg | ggagcctgtg | attatgattt | ctgctgattt | 97140 |
| gcaatgaaac | actaatgcag | tgggcttttc | attaagccag | atttattcaa | tctaaagatt | 97200 |
| ttatttcctt | tatgtagaaa | gtgcatcttt | atatgttgtt | ggaggagcag | agatgtgata | 97260 |
| aaaagaaatt | tctcttatga | actaatagca | ctgatacata | gtggtagcta | tgcctaggcc | 97320 |
| tctctctctc | tctctctctc | tgtctcctgt | cgtatgtgtg | gtgtgtgtgt | gtgtgtgtgt | 97380 |
| atgaatgcac | acaaagtagc | cccccccat | attattttct | ctgtgggatc | tccagactca | 97440 |
| gcaaatggtg | gtgactggga | agtctggcca | tgcaattctt | gccttttctc | ttgccagccc | 97500 |
| aatccctttg | cattcaaacc | cgggctgctt | gctgtggcca | gccttttcac | ctggagtcct | 97560 |

| | | | | | | |
|--------------|-------------|-------------|-------------|-------------|-------------|--------|
| tccctccctcct | tacctgtcttt | cccatcccttt | gcagacaatt | atcctcaata | actagccaat | 97620 |
| tacccttaag | gacaattata | ctcttccatc | agcaaacacg | ggtgttcttt | ccttgagtct | 97680 |
| tttgatgaag | tcgatattaa | agagatgctt | tattttacata | aagtcaaata | gctccctttt | 97740 |
| agaagggttt | gggttcgatg | tcaaagtttt | aaaatcttaa | ctagaggatg | ggtgtagagg | 97800 |
| gcttttggct | agggtagaaa | agagatggag | atacttatct | tgatgttgct | ttaaaaggta | 97860 |
| ggatgccag | agaagggtga | aggatggggg | agggagggtc | cctcctcaag | ctaataatc | 97920 |
| taaaagcagg | gatgagctgg | gcgctaggag | tggaaccagt | cagaagtgtc | tgcctttgac | 97980 |
| tgaccacagc | tccctgccctc | ccctccccc | gtctctctgt | gaaccgccag | cattaggagc | 98040 |
| taatcgcttc | agaaagccag | attggaatgt | gttgctcacc | ctccactgct | cagaaaaacct | 98100 |
| ttattccagg | caaggactga | cccaaaccga | tcatggcatc | tgccaatcag | gaggccaaag | 98160 |
| gtgccggcag | ggcgggacct | agctgtgcag | aaacagctcc | gttatggcgc | gcagaaaaag | 98220 |
| ctggggggaa | aggctaccgt | tttatctctt | ggcagatggc | ttctctcttt | gatgctttgg | 98280 |
| gccttacctg | ttactgcctg | cacttgactt | gacctaggca | aaaatagcag | cgagatacag | 98340 |
| gttctcgaag | ttagaaggaa | aaaaaaaaag | cccaaacca | caacacaacc | cggaagtgtg | 98400 |
| ccccgcctgt | gtttctaaag | agctgttttc | ttcccaagct | ctacagcgtg | gtggctctaa | 98460 |
| tcggaaatct | ctttttaatc | atagcaggag | tcccaattag | cgtgttggtt | aatctttcaa | 98520 |
| gtagagtggg | agttccgtgg | ccacagagag | cagaggcaat | attcagcata | aagccctaga | 98580 |
| gaaagagggtg | ttgtgggcct | gtgcacacat | gtgtgtcaac | gcacatgtgg | cttgtggagg | 98640 |
| ctggcttccc | actctcaaga | tgaggtgtgt | gcaccccgag | ccttttgatt | ctcaaagctt | 98700 |
| tattaggacc | agagggactg | tgtgtgtgga | ggggtgttgc | tcacagtgca | gaaacccaaa | 98760 |
| cctggcttct | ccaggagccc | acatgccaat | aaacaggctg | cacactcttg | ctagcatac | 98820 |
| ccctaaagggt | atggggatga | gggaccaagt | gctttgcaag | acagcaggca | cagagttctg | 98880 |
| ggacgctcct | gtaccccaga | ctcacccgcc | accaggggcc | agctctgate | tggtctgacc | 98940 |
| tactttcttc | tggtgttgtt | tttggaagtg | ctgatgtcaa | tgagaatttc | agcagagtgg | 99000 |
| ctgagtgaga | aaaaagagga | gagggaggaa | aagggggggg | ggacgggacg | ggccgaggcc | 99060 |
| aacaggaaaag | ggcaggcaac | aagacaatga | ccacaagggtc | cctgtaacta | cactaactgc | 99120 |
| ttacctttcc | tgacccccag | ggcttagcca | atatagctga | gacccagtct | tggtgtctgt | 99180 |
| gcttcaggct | aagtaaacag | ggaagagtgt | gacatgggtc | tccattctct | ctcctcatcc | 99240 |
| aacaagggga | ggaggcagtg | gccaggcgag | catgcccacc | gatgccatcc | ttctgggagg | 99300 |
| agccagacat | ttcaggcacc | tctccttccc | tgggtgccta | gaggtgctgt | gtctgcattc | 99360 |
| atctgccatg | cctgccatct | gagagaggcc | actgggactt | ggtagagagg | ttctccacac | 99420 |
| atgtggcct | ggaggaatgt | ggctcttagg | gacactgaag | gcagtttctt | ctgttcagtgt | 99480 |
| gctccttga | aacccacgtg | acagagctcg | catgacaact | tgccggctct | caactcccat | 99540 |
| tcttagctgc | ctcaagcact | gtaagggtta | ggagagcccc | agatgtaagt | atggatggga | 99600 |
| agaccctcca | gggagtcatt | gcctaccctt | ctgaactcta | acatgggtcca | gcttttccat | 99660 |
| tccacaattg | aggagacgcc | agacctggca | ggggagcaag | cctttgtttc | tgacccattt | 99720 |
| gcaaacccca | gccactgagg | aacttgcata | caagaaactg | cctctggggc | tctcctggac | 99780 |
| tgagccctgc | ctcccagggg | acaactgggc | aacagatcct | tccaggtggc | tgcaagtaca | 99840 |
| gatccatgct | tttatgacat | agaaaggcct | cagctctcag | atttcacaca | ctgtatttcc | 99900 |
| ctcatcttgg | ggaccaggga | aggcgagcat | cttctgtctc | ccccaaacaa | gtgtgggaat | 99960 |
| gattaaaatc | atgttttttt | tctgtcccat | gaactcatac | agttttcaga | taccgaggag | 100020 |
| acaaagccct | cctgtgctga | aattagacct | cgaaaaatag | gttagctgac | aattacttgt | 100080 |
| ttctaagtgg | agtgtgatgt | agtggcagga | gcgcaggatg | ggctgccagg | gctgcagtct | 100140 |
| cccccccccc | aaacttactg | tctcttaacc | tctcgagtcc | ctgggtttct | tgccgggatg | 100200 |
| ataattctcc | ccatctccct | cctctggtgg | gctggtggaa | agcgtaatga | atcaacgctt | 100260 |
| gaagcacgct | gaagaggcca | gactcgggat | gccatgtaag | tacacagcat | cgccagccac | 100320 |
| ctctcaagtc | tacacggagc | tgatttattt | acctcccgtg | aaagagacaa | caatcatcat | 100380 |
| atttacactt | catgccgcag | cttcctgcgt | ggcacggcag | cacccctccc | ctctccgctg | 100440 |
| ctgaggactc | catcaagcac | gctgccttgc | caggatgaca | gcagcccact | ctcagcctct | 100500 |
| ccctggcctc | cttacagatc | atgacctcct | gccccgtgag | gtctgtcacc | cgaaaaccac | 100560 |
| ggtaacaccg | gggctgcagc | ctctctatgg | gggaggctga | ggaaatgaat | tccgtaggta | 100620 |
| aaaggcttcc | taggaaatca | gacgctgcta | gtaattaagg | agcgaagcat | aggtgcgtga | 100680 |
| aaggtaaatg | gatgttattt | aaatgttgcg | tcattttaag | agtgtcctgg | tgcttcagtt | 100740 |
| ccttgttacc | atgcagggct | gtggacgggt | ggcaattagg | ctggcacggg | tagagctcac | 100800 |
| ctgctgagct | gagggagggt | ggggacacac | cttccggtaa | ttgctgctgg | gcagctctgg | 100860 |
| gtctccccac | ccccgcccc | gccctcactc | cccaccccc | acttctttcc | tgacagctct | 100920 |
| ttcatttgca | gcagcttaca | gggcttggtg | cccttaccac | gaaaatcacg | ttggaagaaa | 100980 |
| tataagaaaa | agaggaatga | aagagaaagc | cagaaaaagt | catattaggt | tcggtactgc | 101040 |
| ggccaaacct | ggccgagaga | atccatgacg | gtccgcgcgc | atataaccct | gtggcaacag | 101100 |
| ggcccgccac | aacaggggcc | gccacaagag | cttcttgagt | tgccacctgc | caggagacag | 101160 |
| gatgaatgaa | tggatcatct | gtccttagag | cacaagccag | gcctgattct | ccaatattga | 101220 |
| tgtgtgaggg | agatgtcaac | agaggttccc | taaagaatga | tgcttctatt | tccatgctaa | 101280 |

| | | | | | | |
|-------------|------------|-------------|------------|-------------|-------------|--------|
| tcctggggcg | tcagcttcag | tccgaacagc | cggaccgtta | ccttagctct | gctgtttctc | 101340 |
| tgtctgtaac | ccgcagaggg | aagggcgggg | tcacccagca | ttgccactcc | ccccaccctc | 101400 |
| acgtgggtcca | gacccctctt | gggttgatct | gctcctgaaa | aacagtgttg | gctcaagttt | 101460 |
| gcctctgaag | gtatgtcacc | gctggctcag | ccagcttatc | tccccgggtg | tttcaagatc | 101520 |
| aaaacaccca | aacgaaagaa | aaactttgtt | tcaagagcag | agtgtgggtg | caactctgat | 101580 |
| caaagtgttt | ttcagcatga | caactcactg | cccgtgacaa | ccagtacttg | gctgttggtg | 101640 |
| ctcagagtga | gatgctggag | gaagtggatg | acaacagctg | tatccagggtc | caaacagagt | 101700 |
| agattcacgg | ctggcagaaa | atggctgaga | gccttggggc | gcacccctcc | tccccctctg | 101760 |
| cctctctctc | ttttcaaggt | ggtttttggg | aatgtccttc | ctgtgggttg | tgtgcctttt | 101820 |
| ccatgtagga | cctggggcct | gtgcagatgg | ccctgtgttc | ctgggtgctgc | tggttgagatg | 101880 |
| tgaacgagtg | ataggaaccc | aggcactaaa | cacacaatgt | ggttgatatct | gactagaagc | 101940 |
| aaggcaagag | caggaggcat | ttgagggtaa | aggagtgtaa | ggactgtgta | aagagatgag | 102000 |
| ggttctatct | gggaggcagg | agtcccaatg | ccagcaaata | caatggactc | tcctgggtcga | 102060 |
| cccaaccaga | gagaattcaa | gatggcagag | ggacaggctg | tctgagtttc | ctatggctgc | 102120 |
| accgataaat | ggtcataagc | agagtagagg | aaaaccacag | acagaaattc | atgccattga | 102180 |
| gactagaaat | ctagctcaag | gttgtgtgtg | gcagggttg | ttcctgggtg | ttcaaccttt | 102240 |
| tcacactgtg | acatgatgct | gtggctctga | gatgtgttg | gctgcatcca | tagctaccct | 102300 |
| gggacacatt | catggaccgc | aggttacaca | tgctatttaa | aaactccaag | ggaagggcta | 102360 |
| gagaaatggc | ctggtagtta | agtatgcttg | ctgatcttcc | agaagacctg | agctctgttc | 102420 |
| ctagcagcca | tggtgggcag | cttacaacta | actatgactt | ctgagctcca | aagctctctt | 102480 |
| ctaatacata | catacatata | tacatacata | catacatata | tacatacata | cgtacacaca | 102540 |
| cacacacaca | cacacacaca | cacacacact | ttaaagaaaa | aaattctggg | ttggagaggt | 102600 |
| ggctcagcaa | ttaagagcac | tgactgctct | tacagaggtg | ctgagttcaa | ctctcaacca | 102660 |
| catggtggct | cacaaccatc | tgtaatggga | tctgatgcc | tcttctgggtg | tgcgctgaag | 102720 |
| acagatacaa | tgtactcata | tacattaaat | aaataaataa | gaaagaaaga | aagaaagaaa | 102780 |
| gaaagaaaga | aagaaagtgt | aaacgaggaa | aattccta | taaaaaagaa | agaaagaaag | 102840 |
| aaagaaagaa | agaaagaaag | aaggaaagga | attctgaggg | agaatctgcc | ccttttctcta | 102900 |
| acttccaggg | ctataggcaa | cctgtggcct | ggggaagctg | tagacaacct | gtggcctggg | 102960 |
| gaagctgtag | acaacctgtg | gcctggggaa | gctgtagaca | acctgtggcc | tggggaagct | 103020 |
| gtagacaacc | tgtggcctgg | ggaagctgta | gacaacctgt | ggcctgtggc | agcatcatgt | 103080 |
| caacgcctca | ccctctgtgc | ccaatttcc | gttctctaag | gacacatgcc | atcaaatgca | 103140 |
| taggacactc | tacatcaaga | tgatcttgtc | tcaagatgtt | taacaaaatt | acatctgcaa | 103200 |
| agacctatct | ttacatgtga | ggtcactcca | caggttctag | acatatTTTT | gaggagccac | 103260 |
| catccaactc | actatgtgac | agagtcatct | agagatttgt | gtccaggaca | gactggctgt | 103320 |
| atctgctctg | agagtccct | gcctgccctg | gggaactccc | cagtggctct | taagggccct | 103380 |
| gaggactttg | gatctgcaaa | gccacatctt | ccaaaaccat | tttctctttt | tggagagcta | 103440 |
| ctctaccctg | aaaccctttt | ctctgaggtg | gcttttagag | aggcaggtct | cagcagggca | 103500 |
| ctgtgcccac | aagaagtccc | ggggagaagg | gacccaaggg | ccagtgtgta | actatcgctg | 103560 |
| agactgagaa | cattgtgtct | cacctaaaat | cgggtgtgcg | aaggaccaag | caggctctat | 103620 |
| aaatgtctta | ctgcctttat | tccttttctt | cgctccatc | ttactcctca | ttttgttttg | 103680 |
| tttgtgtgtt | tgtttgtttt | cttctgagat | ctaggccagg | ctggccttca | gctcactatg | 103740 |
| taactaagga | tgactttaaa | cttctgatcc | tttcttccct | ccacttccag | agtcctgggg | 103800 |
| cagggtgtgtg | ccaccgtacc | ccagctttat | ttgagactat | gattcaggct | ccatacttca | 103860 |
| tgcataattag | gtaagcatgc | taccaacttg | gctatatctc | cagcctttct | ttctttcttc | 103920 |
| tttgagacaa | tgtctttttt | tttttaatta | tatgagtaca | ctgtatctgt | tttcagacac | 103980 |
| accagaagaa | ggcattggat | cctattagag | atggttgtga | gccaccatgt | ggttgttggg | 104040 |
| atttgaactc | aggacctctg | gaagagcagt | cagtgttttt | aaccgctgag | ccatctcgcc | 104100 |
| agtccttgag | acaatgtctt | gctatatggc | acatatgggc | ctcaaactca | gaatccttcc | 104160 |
| gcttcagcct | cctaaatact | gggattacat | gtgagccatg | gtgtttggct | tctagccttt | 104220 |
| cttcccttcc | tttcccttcc | cttttccctt | cttcttccct | tttcccttcc | cttcccttcc | 104280 |
| cttcccttcc | cttcccttcc | cttcccttcc | cctcccttcc | cttcccttcc | cttcccttcc | 104340 |
| cttcccttcc | cttcccttcc | cttcccttcc | cttcccttcc | cttcccttcc | cttcccttcc | 104400 |
| taatcctggc | tgtcttggaa | cttgctctgt | agaccaggct | ggcttgnnnn | nnnnnnnnnn | 104460 |
| nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | 104520 |
| nnnnnnnnnn | nnnnnnnnnn | nnnnnnnaaga | agaagaagaa | gaagaagaag | acaacaacga | 104580 |
| cgacaacacc | ggcgccgctg | cctccactgc | catccacctg | agacaggact | caaatccaga | 104640 |
| ccaattttta | aaaccagtg | ttcaagccgg | tacactgaag | tagtagtccc | acttgggatt | 104700 |
| atagctcctt | actttgtttt | gctttgacgt | tttctgacat | ggtgtgatgt | agtcttggct | 104760 |
| gtcctagaac | tcaatgtgta | aattaggctg | gcttgaact | tgcttctgcc | tcctgtctggg | 104820 |
| atgatagact | gatggtgtaa | aactccactt | aggaggcaga | ggtgggagga | tcagaaattc | 104880 |
| aaagtcatcc | ttggctatgt | tgtgagtttg | aggaccaacc | ttggctacat | gatatcctat | 104940 |
| ctcaaaaaga | aataaatgta | ttgccgggca | tggtggcaca | cgcctttaat | cccagcactt | 105000 |

| | | | | | | |
|-------------|-------------|-------------|-------------|-------------|-------------|--------|
| gggaggcaga | ggcaggcaga | ttttctgagt | tcgaagccag | cctgggtctac | agagtgagtt | 105060 |
| ccaggacagc | caggggtaca | cagagaaacc | ctgtctccaa | aaacaaaaaa | caaacaaaaa | 105120 |
| agtgaacccc | aacagtactg | ccggacagt | tggtgtcttt | cctaagtctc | ctttcaactc | 105180 |
| tgtttaccca | gggttaccca | caaggtgtgt | gagcagctct | ataccagag | gtgatacgg | 105240 |
| tgtttgaatg | agagaaaagt | ttcccatcag | ctcgggtgtg | tgaatactcg | gtccccagtt | 105300 |
| ggcagtatgt | gctggagagg | tgatggggag | gtgtagcctt | ccgggtggaga | tgggcttttg | 105360 |
| gagtttaaa | cttctccac | gaagaccact | gggctgatct | tgttaccaac | agaattggat | 105420 |
| tggcctgctc | ttggctccgg | cctcagttta | tctaaaattt | acatgttacc | tgatcaaaaa | 105480 |
| ctgtttcctc | ccccaccct | ctccctgtct | gtattccctg | ccctctagt | gtgctggctg | 105540 |
| tatactacac | tggtgatctt | gactgtattt | cagtttacct | cttgttctct | ctctgctgac | 105600 |
| tctagagatg | tcctttcatg | gctgggacct | ggctcagaaa | tttctaaggc | actgagcctt | 105660 |
| cctccatctg | aacttttagga | aacttcttgg | cttaaagggt | tatttctgac | ttagtatgca | 105720 |
| atgagacatt | ggagcctgca | ctttgttaag | caccctgggt | gggtgggtgg | gtgggtgggtg | 105780 |
| tggtgggtgg | agtagtagaa | ctctgatgaa | cagttagtta | ttcaaggccc | atctagaaaa | 105840 |
| agaaaggctt | tgggtgcaca | tggtataaac | tcagtggcga | gagacgtgct | tcccatgaat | 105900 |
| aataatgatg | acgatgaaaa | taattctctg | tgactgttct | ccccacttcc | ctctctctca | 105960 |
| ccctagctct | tatctaccga | atccctgcac | aagcaccct | ggggtttaca | gaatctgggg | 106020 |
| cgaacgtta | gtcacttccc | ttcgccact | tcagtattgt | gtttccagaa | gtacccattt | 106080 |
| tggctagtca | ctgaggaaaa | cggcagctgc | ctgtgggcca | ccagcccctg | ccaagtgagg | 106140 |
| tcagcaagaa | agaagctgac | agcaaatgtg | ccaactgtgg | gtctgctgga | tttctactgt | 106200 |
| gctaagtggg | ttcaagaagt | ttcttcttaa | ccccctacaa | gaaaccacaa | attttattat | 106260 |
| ctacactggt | ttgtagatga | agaaaacacc | attccgaagc | tcactgccag | tcagcactgg | 106320 |
| aactggaatt | tgtttggcta | attcagtgg | tctcaaccag | gggtgatttg | gactccccag | 106380 |
| gggatatatt | gggacacttc | tggtcgcat | aattgggcat | atgtgctact | ggcacctagg | 106440 |
| gtagaggcca | gggtggtact | gaccttccca | ctatgaacag | ggcagccatg | tacataaatt | 106500 |
| ctctcgatca | aaacatcaac | agtgcataag | ttgagaaatc | tcaggctgaa | accctgtcat | 106560 |
| ttggccttga | gggtgggtggg | aggagggttag | agagtggaa | aaaatcagaa | gggccaccac | 106620 |
| agaggcctcg | agtgaggagg | gaacagggct | cctatgctag | ggataatgga | gaatagggca | 106680 |
| gcttgttgaa | acttttcttt | cttccaagct | tggctagagc | cctgctcaat | ttcccccaac | 106740 |
| tctgccaa | cagtcccggg | acttcgcact | aagtttgtcc | tggagtgaac | ctgactccag | 106800 |
| cttgagctg | gggcaacaca | tttacctggg | tcttcccagg | agtgggttaa | aagtcaaaga | 106860 |
| taagtggcat | ctgagaagtt | aaaagtggg | tgagtgggta | aaggcaggag | gaccccatca | 106920 |
| atcagctgac | ctaggaagga | agagagcaac | tgaagcagca | aagagctgg | ccaggagact | 106980 |
| ggattctgac | ccactaggct | tatcttccac | agcctttctt | gtttaggctt | gggctcagtt | 107040 |
| tccttgcac | atccgcagga | gcccctggag | caccacatt | cagccggccg | ccaggacagg | 107100 |
| ctccccagca | gtggcctccc | cactaactga | cagtgggtgac | aggaaatata | tcccattcca | 107160 |
| atctcctcag | aagtctgaat | aagtaaggga | cagatgttgg | ggagaggcgt | cactcttggg | 107220 |
| ttgatgaaga | aaagatcatg | agaagcatac | attttaccct | ctatgggttg | ggttccatta | 107280 |
| ccacccatgg | cggggttgag | ggggaagggc | agaaaaagg | agatggagaa | ggacagacac | 107340 |
| gtaagaagga | ggatgtgggt | agggtgatt | cgctcccctg | ggtcgaacaa | tcagctgtta | 107400 |
| ctggggcgga | aggcaggaag | tctccttaaa | gacacaatat | tctgaacgtt | gaactcagga | 107460 |
| tttgaagcaa | gcccagcagt | caccttagtg | gagccatac | ttaatttaac | acagaagcgg | 107520 |
| ctatctcagg | cttccctctc | atttctttgt | ctcagatgct | ctcacttaga | aagcttagat | 107580 |
| gctcttagaa | atgactcaaa | agtcaagaac | cccaggccac | aagtttctct | ttgggggtgg | 107640 |
| ggaggggagt | aagaggtgg | cccagctctg | tccctttaaa | taagcaattc | agcagctttt | 107700 |
| gccaagtcat | tgggttcatt | tcggtttttg | cccatcccc | gcctttcaga | ctctgatttg | 107760 |
| cccctaggga | aggagccgcc | tcttcattgg | tctccacctt | tgaaatcact | tccctaagta | 107820 |
| ggcctgagtc | agagaagcgt | tctcgagggc | gggactgaat | gggtgttaat | cttagaaccg | 107880 |
| ggtttctggg | tgatactact | ttggtaaaga | tcttccccta | atttttaaaa | agacgcttcc | 107940 |
| tctctaaaag | tgagggcgaa | tcttctgtta | agaacgtgcc | ccttgagaag | ccgtgggctc | 108000 |
| ttcagcgact | aagacgagac | attcactaga | aaagatttca | ctaaaccac | gagggataga | 108060 |
| ctagacctcc | agtgaagatt | gggcctgtgc | gggtgacatt | tgctccctata | ccccgaagac | 108120 |
| ctcgagctag | ctctccagtg | aagactgggg | ccgtgcgagt | gacagtgggtc | cctatacccc | 108180 |
| gaaaaaaaaa | aagtcctatt | tgtggaaaaa | aaaaaagact | tcgggtgttc | tgctgcatcg | 108240 |
| gtggctggct | tccatcttta | gttctactca | ctcctgttgc | ttcgcggtgct | ccaccttcgc | 108300 |
| ttagctcagg | cctcctgtga | atcagttttg | aggctaaaa | aagttccaag | aaggaggggc | 108360 |
| tgtagccctt | taaggacttc | cccgcgaccg | agtcagagat | cagtttaaaa | atgccaactc | 108420 |
| acagagcgcg | ctgacttctg | ggaagctgag | tgtcaccgta | agaacttcat | tgaccggaat | 108480 |
| gcactgcmaa | ataacacgcc | tatacttctc | tctgtctctt | aaactgtagt | ttgacgtaaa | 108540 |
| gctgggtctaa | gcaagtcgcc | taggccgagg | gttagccaca | ccttttcagc | cattggccag | 108600 |
| ttgggttagtt | ggtaggcgtg | gcttagagaa | gctcctccag | gcaagggggg | ggcctccttg | 108660 |
| ccaatcagag | cccagacgcc | tgaatggg | ggagtaagca | gaggtgctgg | cgcccccgag | 108720 |

| | | | | | | |
|-------------|------------|-------------|------------|-------------|-------------|--------|
| tgggtgtggt | cacgttgccc | agcaatgggc | ggtgattggc | cctgggtggt | tcattcgag | 108780 |
| ctcgtgcgtc | acgacgccgc | cagctgatcg | gagactggag | ccggtgtgtg | ctgggcgctg | 108840 |
| ggaagagaca | gagcggtcgg | ccgtgcggac | aggctgcagt | gattttgctc | ctctgtccac | 108900 |
| agcaaccccc | gcacccagca | tcagggtgggt | gtgatctggg | gacccgggtca | tccccggggg | 108960 |
| aaccgcggta | accgggtgat | ggggaaagta | gggtcctgac | ggccacaccc | tgccttctctg | 109020 |
| ggggagggga | gagggggcgg | cggggacagg | ggcgctcttg | ggagaggagc | ctggactctc | 109080 |
| ccgagtagtg | tgtctggacg | tttaaagaga | gagtcgccga | caggagtcgt | ggcagaaggt | 109140 |
| ttggagaagt | aactggggag | gaatatgaga | ggccagaggg | ccgggggctg | ctaaccgccga | 109200 |
| cgcccttttg | tttgaggatg | cccagagctga | ccatttagcc | tagggaggat | ctggacgagc | 109260 |
| gaggggtgcg | gaggtgcatt | gcctctaccg | gcgctgactg | ggtcagggcc | agttcaagtc | 109320 |
| cctggcaggg | aaggggtcgc | tgggcggctc | ggccctcctc | ctcgttcctc | cccggggatg | 109380 |
| ttatgtaagg | ggggagggga | aaggagtagg | ggcgggcggt | gcggaggcct | tatgcaaccc | 109440 |
| aaaggttagg | gtttcacccg | gggttgggcg | gaggttgggg | ggggcggaca | ggaggagtgc | 109500 |
| ctggaaactc | tacccgcacc | ccccctccca | gcctaactgg | ctgtcttggg | cagagagaag | 109560 |
| gtcacctttg | cacctcccc | ctagtatgtc | cggtagagag | gcccctagcc | cgggcttggc | 109620 |
| ctgactgcct | gggaagccgg | ctggctgggt | ggggcgctcg | ggttagtcat | cgctgggctc | 109680 |
| cctctctccc | cacctcctgg | ccaactcttg | gcccctcccc | acggcctccg | gttaggctaa | 109740 |
| cgttccacc | tccctctggc | cctagtttca | gtctccaact | catttggcct | gtcaccttgg | 109800 |
| ctgttagagt | aggctagaag | ctgtcatggt | gccagagagt | tgatggagca | gctggtcaga | 109860 |
| gggtcagtg | cctgggcccc | ccccgccccg | cagccaaggg | cacctgcttg | gcacaaactc | 109920 |
| tcagcagcca | gtgaaccttg | tggcctgaac | agagctatcc | tgggcagaga | gaagtggaca | 109980 |
| gagactgac | acctaggaga | aggaagatcc | gacaaagttt | atacttccca | agaggctttt | 110040 |
| ggaatttgaa | agttgcccac | cctagtgtaa | tctttccact | ctctgaaaat | agaaatccca | 110100 |
| aggcaaagtc | tccttgggcc | ttctatctgg | cagtggccat | gtccttggac | tgactgtgca | 110160 |
| gaaccaccct | ctcgggctcc | cagccctcta | gcctgccacg | ccccagccc | cctccctgag | 110220 |
| ccatgctgta | gggccccggc | ttttactgct | gattcatgcg | ttggaactgt | gggggcgggg | 110280 |
| cttggaactt | ggaacaaagt | tcagacgtgg | aggggcccgg | agacagcctg | gaattcatac | 110340 |
| cagatgtacc | cggaatgtgc | aagcggaatg | cctggcatct | ctagtccctga | ggaagctgcc | 110400 |
| cagccaccct | accataacct | ccctccccct | ctgcctttgg | tcagctgtcc | tccctcagac | 110460 |
| tcttgagagc | ccctgctgac | cttccaactc | tagtgcccc | ccattttcta | accctacaca | 110520 |
| aacctcctt | gctgctgaat | tccttaagaa | caagtcattt | gagttgatca | cagagctcat | 110580 |
| atttctgaag | tacatttttt | tttttaactt | gggacttggg | ttctacaccc | tgccttttga | 110640 |
| atgccgaaga | tgctgggctc | cttagcaggt | tgccaagagt | tgccagctcc | tagtctgtaa | 110700 |
| aggggcacaa | agcaagtgca | tttagaagcc | tcttgcttct | tattcaagaa | cccctcatta | 110760 |
| gaaggtactg | aaagtcagct | agagccaggt | ttggatggcc | tctgggtcgc | tggccctgtc | 110820 |
| accagcctt | cctgtttttt | tttttccctc | ccttcccttt | aggaacctgt | gcctcccaca | 110880 |
| ccctcacctg | gctgagccgc | agtagttctt | cagtggcaag | ctttatgtcc | tgaccagct | 110940 |
| aaagctgcca | gttgaagaac | tggtgcccc | tgccccctgg | ttcgtggagg | aagaggagaa | 111000 |
| gcagcagctt | tgccatcat | ccggaagggt | acagaactgg | ggtgggaagg | tctggacagc | 111060 |
| tggggtgatg | gcttttatgg | agggaaaccc | tggtcctctg | gggagccctt | acccccactg | 111120 |
| gcccagtgaa | agatttaggt | taaaggcact | gtctataaat | tggggaatag | gtgactccac | 111180 |
| ctccccaaga | ttagttgatg | tctgtgtggc | agtgggaaga | aatagaagga | aaagtctgtc | 111240 |
| tgtttactga | gacttccctg | taggcctgcc | tttcttatct | tcatcatcac | catgccacaa | 111300 |
| cacacacaca | cacacacaca | cacacacaca | catacacaca | catacacaca | cacacacaca | 111360 |
| cacacacttt | cctttccatg | aggtccaaaa | gtaaatgtac | tcaggaaggg | ggacattgaa | 111420 |
| actccgttct | aagtagtcat | ttgtgtattt | actttttttg | tttatttgtt | tgattgactt | 111480 |
| tcgagacagg | gtttctctgt | atagccctgg | ctgtcctgga | actcaacttg | tagactaggc | 111540 |
| tggcctcgaa | ctcagaaatc | tgccctgcct | tgccctccaa | gtgctgggat | taaaggcgtg | 111600 |
| tgccaccacc | gcccggctgt | atttacattt | ctttatttat | ttttagtctg | gcccagattt | 111660 |
| tgggttttagg | ggtacttacc | cttacacctg | tggatttttc | cacctgtata | atggggaatc | 111720 |
| ccatagataa | gtaggcagga | gggcattaaa | agtccaccag | tggtgactca | gagcctgggc | 111780 |
| tcttcttctt | ctcgtggatg | gaaacgaaac | agctcttcac | atgaactgtt | gtccttcccc | 111840 |
| cacccctga | ctactcacc | agctcagggg | gattaggatg | gaaggaaagg | ctatgggttaa | 111900 |
| gtcccaggca | agctcgtggg | aggctagtcc | tctactggct | tctcaccatg | catgggtggt | 111960 |
| ccaaggcttt | ccctccacct | aaagcaaaac | tgtagctctt | ggttggggtc | tagcaaccac | 112020 |
| tgccatttat | tttctgcctt | tgctttccag | gatagtgaga | ctctgctcaa | tactgtgcag | 112080 |
| gcaagaaatt | gtcaggggag | atgggttgta | tgatatgagt | cccttctgct | gcctctagct | 112140 |
| cctgattcat | tctcacgtat | gggcttggtc | tctgtattgt | gttcaccttt | ggccagctct | 112200 |
| tcctaacaga | agatgggttc | agggggtaca | ggaggctgtt | tgttgatatt | gacaggagga | 112260 |
| ggagtcttag | cctgttcccc | atttgtgaga | aactgaaagt | cataggggag | actagatcat | 112320 |
| ctaattccagc | ccactgcag | tctaagctga | gggataggat | gtgtaaggga | ctgtagcaga | 112380 |
| cgggctgggg | aggctgagtc | ggctcacaca | ttgcgacaaa | gattgccctt | ccctcgacct | 112440 |

| | | | | | | |
|-------------|-------------|-------------|-------------|-------------|-------------|--------|
| cgcttgcttt | ctttcctcct | cccttccctg | gccacagtgt | gtccctccag | cactgggtac | 112500 |
| atggctctgc | tgtcctcatc | caacatggag | cctcagaggt | gagaaagggc | agcctggaag | 112560 |
| caacagaggg | aggcacaaga | cagtggagga | cctggcctgg | aaccacaagg | gcctatccgg | 112620 |
| acatttggtca | gagaggcacg | tagaagcctg | gagaaacacca | ggaaagagag | cagccagcca | 112680 |
| gcctcagtga | aagacacgtg | cttccagcca | tctcctctca | ggacctgcct | tcctgggaga | 112740 |
| tgaagggcct | ccaggaagta | tgggtcccatc | tctaccctgc | agtttctata | aacagcctca | 112800 |
| aggagcatga | gccacctctg | aaaggaaata | cacagcaaata | tcaaaaagag | attcaaattgt | 112860 |
| gtaacactgt | gggaaaacat | atctatgact | gggylttag | ctcagttggg | aggtttgctt | 112920 |
| aacatgcacc | aagccctggg | tctgtcttct | gcattgcata | aaactgaaca | ggttggccca | 112980 |
| ggtctgcaat | cccggcactc | tggaggtggg | ggcaaaggag | cctacattca | aggtaatcct | 113040 |
| ctgctataca | atgagttctg | agccagcctg | ggctatatga | gactgtctca | aaaaataaaa | 113100 |
| caaaataaaa | taaagcattg | gtagtaatt | caaagaaagc | agatgtgggt | gaaaccgttt | 113160 |
| tccctgatca | taatacaaca | agcaaatgaa | agccagaaga | aggctcctgt | gccttggtgtg | 113220 |
| tggcagtacc | aaccattgtg | agagatgcct | ttggacctgg | tagtttgctg | tcctagaaat | 113280 |
| gtatcctaaa | ataaggattt | ggttataaaa | tggtcatctc | agggttgtaa | tagagaaaaa | 113340 |
| tggaacgcag | ctgtttgttt | ggaagtccat | tccttttctg | ctgtcatgaa | aatgtatagc | 113400 |
| tagggcttgc | ctaagtaaat | tatatcctac | tgatgggtgg | gttctgtgca | gccatccaaa | 113460 |
| gtcttacaga | agaaaaattg | agtggaaata | taaatattga | atactaaaaa | gattataaaa | 113520 |
| gtatgagttt | gtgactgttt | ttaaaaatat | aacacatact | tgtaatatat | ttttttaaaa | 113580 |
| accatccaat | tgagtggaaa | tataaatact | gaatactaaa | aagattatga | aaagtatgag | 113640 |
| tttgtgactg | tttttaaaat | atgaatgcac | acttgaata | tattttttta | aaaaacactg | 113700 |
| aaagtggatt | caaaattgta | agaatgggtg | ttttttagtg | gtgggatagt | acaattgtga | 113760 |
| attttccctt | gttttttctt | gtctttctaa | tttttaata | ttgtgcattg | ctttcatatg | 113820 |
| ttaaataaaa | tacaaaagac | aaataaatgt | tttaaaattt | ttactctttt | atgagtgttt | 113880 |
| tgcctgtgag | tggcaggaat | ccaacattgt | cttctgaaag | cagctagcgc | taacttctga | 113940 |
| gccgtctctt | cactccctct | gtaattttta | aaaaatatat | ttgtatgtta | tattatgtgt | 114000 |
| ctttgtgcac | cagagtgtgg | gtgcacattc | tgcagaggcc | agaagagggc | atcagattcc | 114060 |
| ctggagctgc | acgctgtttg | gatcttctga | tgtggatgct | cagaatcgca | ctcaggtcct | 114120 |
| ctagaagagc | agcaaatgct | cctagccact | aaagccatct | ctccctctag | tcctcattgt | 114180 |
| catgtttaga | ttttggagaa | tttgcttgta | ggaggatggg | ctacaccaag | tgccaggtga | 114240 |
| aagaaaatgt | tgtctggga | tacctattgc | ttcttgagtg | tgtgtgtgca | ctcttggtgtg | 114300 |
| tgtgtgtgta | tgctgtgtgt | tacactggag | ctaggaatca | tatccagggg | ccttttcaag | 114360 |
| ctccaccaca | ctaaagtcaa | ttctatgaac | ttcatatt | gtctgaatcc | acctactctc | 114420 |
| tacacacagg | aagcattcct | ctgactttct | gactgtcagc | cagctaagga | gggtgtggctt | 114480 |
| agaataagaa | agaagggaaa | tgctcaaaac | ctgtcactct | ntggggnnnn | nnnnnnnnnn | 114540 |
| nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | 114600 |
| nnnnnnnnnn | nnnnnnnnnn | nnnnnncccc | tattttacca | agcattgcag | gataaataag | 114660 |
| aacatagctt | aaagaattct | agagaaaaaa | aaaaaagtcc | actaatgttc | aatgttttaa | 114720 |
| ttaattttta | atgggaaaaa | gtaatatcaa | agaaatccat | gtctacggca | tattaatgtg | 114780 |
| gttaatgcaa | acaggacaga | ttatcttggc | caaattaaac | cacagtaaca | cgttttgaac | 114840 |
| taaaagtcac | ctatttatac | gagatgaaat | gtgaattagc | gtgcgcgcgc | aggtgcacac | 114900 |
| atgcacacat | acaaacagag | tcctttttatt | cttaagccta | ccaaataact | ctttaagcag | 114960 |
| taaataattt | taagctctaa | aatttaaaaa | atagtgaac | cccttcaggc | tatgacagaa | 115020 |
| tgtgtctttt | gccattcttt | ctgataaaag | tcccaaaggg | tgtcataatc | tgtatccttc | 115080 |
| ttagaaaagt | aaggagcaca | tcctatgagc | tgggtgacctg | agttttacac | ccaagtcaca | 115140 |
| cgtcagcaca | cagcaatgtc | ctggaccatt | tgtgaggagc | cccacgctgg | tcctgagcaa | 115200 |
| caactcactt | ggactgggtac | ggggtgaggc | tggcgatggg | caccactttg | gactgtgtcc | 115260 |
| cacctgaagg | ctgcagcagg | ccagttccgg | caggttttcc | aaatggcttt | gaggcaccat | 115320 |
| aagccttagc | tgcagtggaa | cctatgcaaa | cacacaggaa | aagggcagtc | attcccgttt | 115380 |
| tatttctcga | agtgaatgta | caggcaccat | ggcacgcatac | tggaggtcag | atgataatct | 115440 |
| caaaaaatca | caacttttgt | gagacaggct | cccttcattg | tcttcccacc | acacttgcca | 115500 |
| ggttaggggc | acaagctccc | aaggagtatc | tgctctccta | agggcactgc | catcagagac | 115560 |
| actctgacta | ctacacctgg | cttttaggtg | ggttctgagg | atttgaacgc | agatcatcat | 115620 |
| ggttgtatag | caaattttta | ttcaccaagc | cagacaaccg | ttttttaact | ttttttaaaa | 115680 |
| aaagatttat | ttttatgagt | acagtgtggc | tgtcttcaga | cacaccagaa | gaagacatca | 115740 |
| gatcccatat | cagatgggtg | tgagccacca | tgtggttgct | gggaattgaa | ctcaggacct | 115800 |
| ttggaagagc | agtcagtgtc | cttaaccgct | gagccatctc | tccagccctt | atttaacttt | 115860 |
| taaaagttaa | aaattaatcc | tcattatgca | cgtgccacag | ggaagtgtaa | cataagcaca | 115920 |
| tgtgtttgaa | gtatatatgg | ggatgtagtt | atgtgacggc | cagaggacaa | ctctgtgaag | 115980 |
| ttgattcttt | cccttcactg | tgggtcctcg | gagcgtcaat | agggctcagca | ggcattttac | 116040 |
| cagctgagct | atcttgtggg | ccaccaaaact | tattttttaa | aagctagaag | ttgggttaag | 116100 |
| agaaggaatt | catgtaattg | aaatagaaaa | gcagagttga | agagggagga | gaggaggtga | 116160 |

| | | | | | | |
|-------------|-------------|-------------|-------------|-------------|-------------|--------|
| gtatgatatg | gtaagaaaaa | ccaagaaaaa | acctctacaa | gtaaattctag | tctgtgtcca | 116220 |
| cagatcacta | tgttcaagga | tgggtgtccca | gaaaagggtc | ctaaaaacaaa | gcccagggaag | 116280 |
| taatcaaaat | gatccccatcc | agacctgcta | cagagaagct | ggggggaagg | agggagaggc | 116340 |
| cctgtaacct | caagtccccg | ggcagcacag | cagagctgtg | cccaatgata | tccgtgatac | 116400 |
| aggacaacag | gatattctgag | aaggagtccc | agttagcgtg | tagcagaagc | cagaggcctc | 116460 |
| gaacaaaacc | aacaacttca | ccatgatgaa | catcatgaag | atgtgtggac | aaaagggtgc | 116520 |
| actctgggac | acagtgtcac | acactacagc | ttccacctgg | gacaaaaagt | cacacactac | 116580 |
| agcttccacc | tgggacacaa | tgtcacacac | tacagcttcc | acagtcagat | tatttttctt | 116640 |
| ctagcggaga | ggctgcaagg | gtggagggca | ggtacaaggg | aacaggggtg | agtgggatcg | 116700 |
| gggtgcatga | tgtgaaactt | acaaagaacc | aataagttag | gaaagagaga | tgaagacata | 116760 |
| gaagccatgg | ccaacaaccc | cagcactctg | gaggcaggca | ggagggtctc | catgccaaag | 116820 |
| gtaatgaatg | ctatgtctaa | agagatgata | aagtcctatg | agagttacaa | agtcagagga | 116880 |
| gaaacttggg | cagaaaagcc | aaatgtaaca | aatgcattgg | aggtggggaa | aggtggggat | 116940 |
| ttaaagaaaa | tttcacaaaa | aggcacagaa | tgttaaggtga | aagcgagcga | ctaccagata | 117000 |
| aagcatcaac | taagaggagt | caggaacagt | gtattttaac | tacctttata | aaaaaaatac | 117060 |
| tctgggtggt | gagatggctc | agcgggttaag | agcaccgact | gctcttccaa | tggctcctgag | 117120 |
| ttcaaattccc | aacaaccaca | tgggtggctca | caaccatcca | taacaaaatc | tgatacggctc | 117180 |
| ttctggagtg | tctgaaggca | gctacaagtg | tacttacata | taataagtaa | ataaataaat | 117240 |
| aagtattaaa | aaatatgcaa | taattggaat | tattctttgc | aattctacta | tgaatggagt | 117300 |
| ttttgttctt | gttgtttgtt | ttccgagcct | gtttcatgta | atccaaactg | gcctggaacc | 117360 |
| tgctaaatag | tgggaagatga | ccttgaactt | ctgattcccc | tgtctccacc | tcccaagtgc | 117420 |
| tggcctaggc | tactctgcct | gactcaggct | cagtgaattt | tcaaacactg | cttcaacctt | 117480 |
| gaccctaac | ttccatctct | tgggtcccat | cttaccatt | cccagactcc | cattctgtgg | 117540 |
| ctggggcttg | ctggctgggtg | gtgtcgctgc | agaggctggg | gaagggaactg | cttgctgctg | 117600 |
| ctgctgctgc | tgctgctgct | gctgctgccc | atattctgga | gatcaaaaca | ggccaattca | 117660 |
| gtgcaaacc | agtcaagaga | tttcaacacc | agcagtaa | accttaggaa | aaccacactt | 117720 |
| tggctcttag | aggagcagac | tgcaccacgc | tgcacaccct | gtgtctgcaa | agggctcact | 117780 |
| ttttgtctg | cgcatagtaa | agactggttc | catttccctt | tcaactgttt | agaattgaca | 117840 |
| gctttcagtt | ttaatgaggt | tctccctgaa | gccttgccca | tttctccttc | aagaacctgc | 117900 |
| agtaaagtca | ctgggctcaa | tctgtgatac | taccactatt | tccatagcaa | caaactcgatg | 117960 |
| tcatcaacag | gacggtgtgt | tctgtgagac | atccattaga | agagaaagca | gggtggtaag | 118020 |
| gaaaacctaa | aagcagttca | attgtctctc | aagtctttg | gcttcaaagg | aaaaggagac | 118080 |
| gtttacaaag | ggttctaccc | tttccccc | acaaagcaac | cttattttgc | aactgacagc | 118140 |
| tgggtgaaaa | tatgagttga | aagagtctca | ggtaccgtga | agtgttagtg | aactgtcaca | 118200 |
| gcaggagag | atgagaacag | agttcagaag | cagccgtgtc | aaggcaacag | ggagataaaa | 118260 |
| aggaggggga | ccgagcacgc | ttctaaagca | gcaaataaga | cgcgccacc | tgtcggagtg | 118320 |
| tgtatttgcc | cttccacctt | tatacaaatg | tttaccaggt | tgaagaatgt | taacattgta | 118380 |
| aattgcctac | cactattttct | aaaataacga | gtttatgggg | tttgatttta | cttctgtgat | 118440 |
| tggctctgaa | ggctgaagcc | agcctcggtt | aggctgtctc | cctggagtgc | ttgtagatga | 118500 |
| caaaggcagc | taaaaaaaa | aaaatgtccc | agagctcctg | aaacactaaa | actggtgcgc | 118560 |
| acaggcagga | agtcctcctt | gccactgag | ctctccttc | tccaactgta | agttcttaact | 118620 |
| cctgctgggc | ctcctgaggt | cccaactcac | cgggcatgct | acatgccc | ggaattcatt | 118680 |
| tttgcaaaa | ttactcttaa | gtagctcaag | gaatgagacg | taattgtgtt | gctggagaca | 118740 |
| aatacattca | gcacaaagtt | gagaagatta | aatagaattg | attatgcttt | agttcatcct | 118800 |
| acagagagaa | aaagttagag | acctattttac | ataggagagg | ggcccagggt | actgacaatg | 118860 |
| agcccttcct | ttacagctca | gccttcccat | tatcactcaa | ctcagacacc | cagcccaggt | 118920 |
| cagtctatgt | gaagcatttt | taaaatcagc | aagagaaagg | tgagttgctc | agtagtacac | 118980 |
| tgaaggaaa | tagaaatgag | cacacagtga | cctgctgcat | aagacacagt | ttaaaagggtg | 119040 |
| acctatcttc | cagcgaagtt | cttgcttctt | ttaaaaagaa | tgtggtattt | gctgggtatgt | 119100 |
| gcacctcacg | aagggtgctt | cagctatgtg | gagggcagag | accatcctga | gggaatcggg | 119160 |
| tctccttcca | ccagagtcc | agggatggca | caaaggcacc | gggcttgaca | gatgccttta | 119220 |
| cctgctgagc | cctttcccca | gcctctcctt | ttctacagtc | tccaaattac | ctgaggtagg | 119280 |
| agcctcatte | tcagaaccat | ttctgctgct | catgtctgac | tgaactggat | atggctcactc | 119340 |
| gactcaattt | ctataaaaag | ataactgagg | agccggcttg | gttggttagag | aaaacataaa | 119400 |
| gacccgagtt | ttgttcccac | atggggcgtg | cgtgctagag | aggtgaggac | ggactaggca | 119460 |
| gggagcagag | gtaggcagat | cccaggcctc | aatagccagg | cagcccaacc | tgagctctaa | 119520 |
| gttcagtaag | ggagcctgta | accacagaag | acactgtgcc | gtgtaaccac | ggcaagcggc | 119580 |
| ccgctgcagt | ggcatctgct | catagccaca | gctaccagg | aggtgagacc | acaagactca | 119640 |
| ttgaagtctg | aggtcaaggc | cagcataggt | accataggtg | gaccccatc | tcaaagttag | 119700 |
| acagtaacaa | tatattttac | tacaattaaa | aaaacaaggc | ggggtgtggt | ggcgcatacc | 119760 |
| tttaattcca | gcactcggga | ggcagaggca | ggcggtattt | tgagttcgag | gccagcctgg | 119820 |
| tctacaaagt | gagttccagg | acagccaggg | ctacacagag | aaaccctgtc | tcgaaaaacc | 119880 |

| | | | | | | |
|-------------|-------------|-------------|-------------|-------------|-------------|--------|
| aaaaaaaaaa | aaaaaaaaaa | aaaaaaccaa | aaacccaaca | catgtaccta | ttctaacata | 119940 |
| aaattttcat | tttttataaa | aattacagtt | ataattttta | gttgaacata | atacaatgat | 120000 |
| aagtctccaa | cttgataatc | tgaggctggg | ggtgtagctc | atttagtaga | gtacctgcct | 120060 |
| agcagtcgct | aagtcgggt | agtcctctgc | ctgtatccca | gtgcttgggg | aacaggcaga | 120120 |
| aagaggacca | gaagttcaag | gtgctcctcc | tcttcaggta | atgaggagtc | tgagccagcc | 120180 |
| tgggatgcgt | gagacacacc | agtaacagca | actactgcct | ggagtgtca | ctctggacca | 120240 |
| ggaacaagag | ttaagtgcgt | tactcccgta | actgtctgca | caatgatgga | gacagtacgt | 120300 |
| catctttaac | atctttggct | gagaagagaa | aacctgglat | tcctcagctc | gttctggcta | 120360 |
| agttcatgta | cttcatcatc | atgcagttaa | tttgtaaaca | accaatcctg | gcagcaataa | 120420 |
| ctctaattat | atagaacata | agatgtggta | attaggaana | gctactaatc | cacttaatag | 120480 |
| agtaaccttt | atctcttgca | aatctgggtac | aagagacagt | cccaaatcaa | atgatggcaa | 120540 |
| gaattccaga | gcattgtaaa | tagcagcaat | tgcccttcaa | ttaacgcatt | gtaacgcagc | 120600 |
| agctgcccac | aagacctcaa | atcaatcagt | ctatagctaa | ggaaaaatct | ttctaaggcc | 120660 |
| aaaaccattc | tacaaagcag | taacgtaggc | tccgtttata | ataacctgtt | ttgggccacc | 120720 |
| tgcaaatcaa | gctatcccag | gaagccagat | cgtaattctt | aggctctgct | ggctacacac | 120780 |
| tgggtcccaag | ccatgaggga | actagattac | agcaggctcc | gccctcgggtg | acctgctcat | 120840 |
| agctatcatt | cttacagttc | attatggcaa | gtgagctctg | ggcagagaaa | aattcacaaa | 120900 |
| caaaccacc | aacttcccaa | gcaagcattt | tcttaacaaa | cacaaagaat | aaataaatag | 120960 |
| agcctgccat | ggtagtgcac | acctgtaatc | tcagcatgtg | ggaggcagag | gcaggcagat | 121020 |
| ctctgccagg | agttccatgc | cagcctggtc | tagacagttg | caagatcaac | aacgctatat | 121080 |
| ggtgaggccc | tgtctcaact | cccaaaccac | tgaanaacaa | taagacgata | tggatcaatg | 121140 |
| caatattttc | cagttcctac | tgacagaaaa | tggacacaat | taggctgggt | ataattccaa | 121200 |
| tatgaataat | aagtatatta | tacagtacct | agtttaagtc | tgagcaagat | attatcgcca | 121260 |
| acagcacaga | tacaggacac | acacacagct | gcaagcgtga | aggatttaaa | ggcaccatc | 121320 |
| cctacagtat | atgcagcatt | gactgtctag | ttttatttcg | cacactttga | atcatccatc | 121380 |
| catttttgct | caatatggca | gcagtaataa | aatgtatatt | tgcattttga | tgcatgggtg | 121440 |
| aattcttact | agcctgggct | gtgtttgctc | actaactcca | gtggacttct | gacgtaagag | 121500 |
| gcgctggact | agcttccaga | ggatgtaaat | ctaactttgg | ttctcggcct | cccctgaagc | 121560 |
| ctttgctgtg | gtgaaagggtg | ctgtttctga | agccacgaca | gtcccatggt | ggtttgagta | 121620 |
| acaatactcc | tggcttggtg | acaatgccaa | aaaataccaa | aaaaaccaa | accaaaacca | 121680 |
| aaaaaagcac | agagctcaca | tctgagccaa | aaaaaccgac | actccctatt | ttttgaagaa | 121740 |
| ctcacagaaa | tcaagaagaa | aaacaagcaa | acaaacagca | cataacaggc | taacaacaac | 121800 |
| aacaagtcca | cttcagaggc | caaaaaacaa | aaggcaagg | ggctcttaaa | catttacaag | 121860 |
| gacagacctc | actcagaaca | caagctatag | ccatgatact | gctcttcac | catcaattct | 121920 |
| taaagacaca | gaagatgggc | tgctggcatg | actgggaaga | gaccagtgtg | ctcactcatt | 121980 |
| gctgggggtac | gctgtaacaa | gcagaggaga | atgtctaaat | gtgtctgcca | atcacaggca | 122040 |
| cattcccagt | taaccacgca | atcacttctg | gcaaaaaaag | cccactctgc | ccgcacactg | 122100 |
| gtgtacccag | gaggtaatcc | actgcggcct | ctgggtggatc | ttttttcctt | cttgcaagtgc | 122160 |
| ttgggttcaa | attaggatca | agcacacttt | tatagtcaga | gcacggagac | aaaaggatct | 122220 |
| aaccacagag | ttgggttaaat | aaacaacaga | acagccacac | cagaactgct | ggggggcggtg | 122280 |
| gggagggggg | ggaggggaag | gggagaagct | agaatcccag | cattcaggat | gcagagggtg | 122340 |
| gtaaacaggt | ttcaggctca | gtcggggtat | aaggtaagac | tttatttcac | aaaaataaat | 122400 |
| aattttttta | aagaggacag | aaaaaaagaca | gcgtagagaa | ctagctatct | tttatgtaaa | 122460 |
| ccatgtgggg | tacaggagca | gcatttgcat | ttggttactt | ggcgaatagc | cctggtagga | 122520 |
| taaagaaacc | ttaaactgtg | ttatctataa | agggcagcag | tgggtgcaca | atgcagtggg | 122580 |
| taggagccca | cccattgcac | gccatagttt | tgattacaaa | gtcacgcagc | tctactcaaa | 122640 |
| aattaaaaca | aacattaatg | cttggttaag | aaacagggtc | gcagagatga | tggctcagtg | 122700 |
| gttaagagca | cagcgcccat | atggaggctc | tcagccatct | gcttctccaa | ttccaggggga | 122760 |
| agctaacgcc | ctcttttggt | cttcaagagc | actgcatgca | catggtacgc | ttacctacat | 122820 |
| gcccgcacaa | attcaagaaa | aaatacaaaa | tgtcataaaa | cccatatatg | accatcttaa | 122880 |
| gattctttca | tttttttgag | acagggtttc | tctgtgtagc | cctggctggt | ccagaacttg | 122940 |
| ctctgcagac | caggctggcc | tccaaccacg | agatctgcct | gcctctgcct | ccacagtgcct | 123000 |
| ggaattaaag | gtatttaaca | cacacattat | acatatcttc | cttctctctc | ttcttttttt | 123060 |
| aaagcgtttt | gttggttttt | gttaagtttc | aattaaaaaa | ctacatagtt | ttataggcaa | 123120 |
| acataattaa | aaatgccaat | gtgaaataaa | taatataaac | atatataaca | ttctgtataa | 123180 |
| gattcactca | cacaacttat | atacttaaat | acaattttca | caataatgaa | aagctttgaa | 123240 |
| atgaagactt | ctggatacat | tagaaacgta | ccctgaaaaa | cgcaaatgac | ggttttcatt | 123300 |
| tctttgtgtc | agacattagt | gtgagtgtct | aaactgtcat | aaaggctctc | ttctctatca | 123360 |
| cttctacatc | attgcagttg | ttctcgctaa | acctggaacc | tggggctcct | gttctctggc | 123420 |
| tggactacaa | ggcagcaagt | cccagcaatc | ctcctgtctc | acctttcttg | gaaccaatgt | 123480 |
| tataagtgtg | tgtgggcact | agccttggtt | catggctgct | gggactagaa | ctctgggtct | 123540 |
| caatattagg | catcaagagc | tcttaactgc | taagccatct | ttctaccctg | attagaattt | 123600 |

| | | | | | | |
|-------------|-------------|-------------|-------------|-------------|-------------|--------|
| cttgaagcaa | aagaaactca | cagatggtca | gagttttacac | acacacacac | acacacacac | 123660 |
| acatacacac | acacacacac | tcacacacca | aggcttagtg | accactgtga | aaaggggaagt | 123720 |
| gcggtgagga | actgtataaaa | taaggtgtca | ggaaagctct | gcacaaaatg | gtgtcctctg | 123780 |
| gacaagccag | ggcctctgcc | ctcatcagct | cttagtaact | atgggtgcct | acagcaaacc | 123840 |
| atgccagggga | ccactctaac | atggagctgg | gatgggctcg | agaggccctg | ttattaaagg | 123900 |
| agaagctgta | gagagttgat | ttgatggatt | ctaaagtagg | gggaatcgat | ttcctttatc | 123960 |
| gatatgggtc | agccatgctc | tagtgagtgg | ccccacaccc | acccatgagt | atgtgtggac | 124020 |
| agcacacacc | ggacctggca | agtcaataaa | acaaaaacaa | aaacaaacaa | ataaacggtc | 124080 |
| tgggtccacca | tagtggctgc | tcgtgggttg | gagctgtccc | gcacttatgg | caggaagaca | 124140 |
| gtggctgcaa | agaggacaaa | agtctctgga | actgatcaac | tctagagtct | gcttggttatg | 124200 |
| agaactggga | agtaccgcgt | gggacagaag | cagactctga | aggtgatcag | gacagagatc | 124260 |
| acagaaggag | agactgggtta | tcggaggaaa | tctgaaacat | aactcgacgc | atactgggtcc | 124320 |
| aaactgggtgc | ccatcactac | aacagcagta | attgaattgg | gcacaacatt | cagaaaaacag | 124380 |
| aaaaagacta | cagagtacgc | accctggcta | tcatcaaccc | aggcgattct | ggcactattg | 124440 |
| gaagcaagcc | agactggaga | aaaggaaaca | aaaagttatt | taacaaaact | tcccagagca | 124500 |
| tgttaaaaaa | aaaaaaaaaga | aagccagaca | tgggggtgca | cgtttttaac | cctagcactc | 124560 |
| aggaggcaga | ggcaggtgag | gcaggaggat | ccatgagttc | gaggccagcc | tgggtctgtac | 124620 |
| agtgggttcc | aggaaagcca | ggcaacaaaag | aaaccctgtc | tcaaaaatca | ctgactgggg | 124680 |
| agagaggaag | tggatccaag | agcaagagag | agagagcaga | gagagtgggg | gtttggatgt | 124740 |
| cagcgttatt | aaatgacagc | agaaaagatg | ggcccagaca | atgacatccc | agaaatggca | 124800 |
| aagatgaaaa | aataaacaca | agttctaaat | atcattttaa | taatggctgt | gtgtctgtctg | 124860 |
| gctcattctt | gttatccaaa | caactaaaag | caggggtggc | cgggatttac | ggccagccag | 124920 |
| gactagagtg | agacactgct | ttaaaaaagc | aatagatgca | cgctaaccat | taatcagcgt | 124980 |
| aactggagtt | tgaggggagg | agtgggccc | ggaagcctgt | gcctataaac | ccaacctgctg | 125040 |
| aggcctgaag | cccgaagggt | gaactgagaa | catctcaaga | caaagcacag | gcacaatctc | 125100 |
| ttacaaacag | tttaaacaca | ataccagcaa | taaattgtca | gctttatgac | agataggctg | 125160 |
| acaggcatac | cacaaagatc | gggaagaaga | aacgggattc | ttgcacaaca | ttttacaaat | 125220 |
| cgacacagct | gagcctagt | acaggccgtg | ataagctcaa | aacatgcaca | ctgcaaacac | 125280 |
| cacagcatgg | ccagagtgc | agggtcacag | caatacacga | acagagacag | taagaaacat | 125340 |
| tggaaaagg | aagaaggcaa | agagcaccac | gagagaaaag | ttaaccgcg | attccatatg | 125400 |
| agggccagc | atccctctcc | cacctgacag | agaaaaccag | gaggacgcag | ctcgaacact | 125460 |
| gtacaactat | aaatactcct | tcctagtgt | gacagagttt | accaaagggt | atcgtaatct | 125520 |
| gaagcacaaa | cataacactg | taagttacca | gaagtttaga | cacgttgaga | atttaataga | 125580 |
| agttgagaca | tcaaacacac | gtttgatcct | aggggaatta | aattattggt | aacagaaaag | 125640 |
| ctctttacaa | agtctccaca | tttataaacc | aaatacactt | gtatcagaat | tgttgtctga | 125700 |
| gccagaggcg | gcggcacaa | ggtggctgag | gcagcaggat | caagtctgga | gaagcccctg | 125760 |
| ggtccaggga | gcactagtga | attcaagtaa | acattaaaca | ttaaataaga | aagacggatt | 125820 |
| ctacaggagc | ctagacaccc | tgtaaaggtc | gtactactaa | gataccaaaa | ccaaactgac | 125880 |
| tcaggggggt | gatgagatgg | ctcagtggct | aagggcctgc | actgctcttg | cagaggacct | 125940 |
| gagttcagtt | cccgaaccc | gtatcaggca | gttcgcccac | ctgtaatgta | ccagagaccc | 126000 |
| taaacatttc | tactctccaa | gcacagacac | acataaacat | aattaaaaat | aaatcttaaa | 126060 |
| aaaaaatctc | tcgtggacag | acagcaaaaa | atactgaacg | aaatctaate | aggtagactc | 126120 |
| agcaaagcaa | atccaaatat | gcgaaaagga | taatacaatg | caaateccaga | cttatcccag | 126180 |
| aaaccccagg | tcgttttagc | atccaaaaaa | ttcaatcatc | ataattcacc | gtattagcta | 126240 |
| accgaaacag | aaaaggcatt | tgattattaa | taaatacagg | gaaagcattt | gacaacattg | 126300 |
| accattcact | cttaataaaa | atgttaccaa | acaggagaaa | gaagtaaaat | ctcctcaacc | 126360 |
| cgatgaacag | gaacacaaac | tggctgggca | cagtggcaca | tctgaaacc | ccagcaccca | 126420 |
| gatagctgcc | agactgggct | ggcatgagaa | ccaagggtaa | gaggcaccca | aacacttaat | 126480 |
| gatccaaggt | gctgcctccc | ccccccccc | gtgtcactta | aatccgtaat | taaatttctg | 126540 |
| ggaggagggg | tttgacacag | ggtctcactc | tgtggcacag | gctagcctga | atggagtcaa | 126600 |
| tgctggcctc | aaaactcttc | tgctcagtt | ccagagtgcg | gggaaacaat | catgagccac | 126660 |
| ctcacccagt | tttaatgcca | tttaacagta | caagggttaa | cgctgcctga | aaagaacaag | 126720 |
| acaaagaaa | atcacacaga | caaacatcac | acaggtgctg | tttgagacta | ggtctctagt | 126780 |
| gatgtaggct | ggtctcaaac | ttgcacaaga | aaagaatact | tttgccatca | agatcaagggt | 126840 |
| tgctatcacc | catggtggca | tttcggaagc | agaggcagga | agatcagtag | tacaagggtca | 126900 |
| tcctcagcta | ccatgggtgt | gaggccagcc | aaggcagcac | gtgagccagc | tgtggaagca | 126960 |
| cacatctgta | acccccacc | tcaggaggct | gaagcaggaa | gttcaagcca | cacaagagcc | 127020 |
| acttaaaaa | aaataaaaa | ataaataagg | ttggagagag | ggnnnnnnnnn | nnnnnnnnnn | 127080 |
| nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | 127140 |
| nnnnnnnnnn | nnnnnnnnnn | nnngaaaaca | cccattagac | tgctgaagag | actgagaaat | 127200 |
| tgtcatcttg | aagggttgaa | atcactgagg | aatggcta | gacaaaactg | cttaaggaga | 127260 |
| attttattaa | aaaacaaaac | tccttctgga | ggagtactgt | gctcccttca | gcattaacta | 127320 |

| | | | | | | |
|-------------|------------|-------------|-------------|-------------|-------------|--------|
| ctgtgccagg | gaaccactg | ccagcagaca | cccaacttca | aggataatca | agcttgctac | 127380 |
| gtaacatggc | tgcttacgca | gacaccacac | acacttcctg | tatgctgggc | atcacctcta | 127440 |
| gcttacttat | aatatcaaac | ataagtagca | tgtagcgct | acagggcctg | gccaatgaac | 127500 |
| agcgatggga | aaaataacct | gcacatggtc | agtaatgggc | aatccactcc | ccagacactt | 127560 |
| ctaacctcag | ctgcagactt | gtgggtactg | agaacggacg | tgactaagtc | aattcacaga | 127620 |
| agcagagccc | tgtgcctgtg | ccagggaaacg | gaggacgctg | ctcaatgggc | agagcttcag | 127680 |
| ggcgggaaga | gatggaaagt | ggagctaggg | cccgatgacg | tgaatatggc | taatgccata | 127740 |
| ttgtgtgtgt | gtgtgtgtgt | gtgtgtgtat | gtatgtgtat | gtggtgtgta | tgtatgtgtg | 127800 |
| tgcatgtgtg | tgtgtgtgta | tgtatgtatg | tgtgtgtatc | caaaatgggt | ataaaaaatcc | 127860 |
| catacaatgg | ctatgcttat | gtgtctttta | ccacaagtaa | aaaattttta | gtaatcttag | 127920 |
| gaacacattt | ctaaaatttg | gaatacttgt | tggggaagct | atctgagccc | cagcatggaat | 127980 |
| caggaaatgg | gtaggagagg | caggagagat | ggcttagtgg | ttaacacaca | catggtggcc | 128040 |
| ctttcctggc | accaactagg | tcactcacaa | ccaggatctg | acagcctctc | ctggcctcct | 128100 |
| caggcaccag | gcaggaaagc | ggccccacat | ccctgcaggt | aaaacatttg | tactgaaact | 128160 |
| aaataaaaaac | ggagcagaag | ctgggcctgg | aagtccttta | cctccagcac | cggaagcag | 128220 |
| gtggatattt | tgtgagttcc | gggtctacat | agtaaaaaact | tgtcgccaag | taaaacaaaa | 128280 |
| caaaaactgg | gggctggtga | gatggctcag | tgggtaagag | cacccgactg | ctcttccaaa | 128340 |
| ggtccaaagt | tcaaatccca | gcaaccacat | ggtggctcac | aaccatccgc | aacaagatcc | 128400 |
| tcttctggag | tgtctgaaga | cagcaacagt | gtacttacat | atattaataa | ataaatcttt | 128460 |
| aaaaaaaaata | cctttaaaaa | aacaaaacaa | aaactcccac | taaaataatt | ggaaaagtc | 128520 |
| agggaaagcc | acactcgatg | gcgcaagcgt | gtgacacag | tattctgtag | gtaaggcaag | 128580 |
| aggatcacag | cgggacggag | gccagcctca | gctacacagg | ccggtctggg | ctacagtggt | 128640 |
| agaccccggt | ctcaaaaaca | aacaaaacaa | aaaaagcgtt | cacattatca | tatactcaag | 128700 |
| gccacaaaac | accttcttct | tcccaatcct | tgaatgctat | cgaatttggt | tacttttttt | 128760 |
| tggtaatatt | ttgtttgctt | ttcaaggcag | ggtttctctg | tgtagccctg | gctatcctgg | 128820 |
| aactcactct | gtagaccagg | ctggcctcta | actcacagag | atgtaattct | ttttcaaaag | 128880 |
| tggattttga | tttgggggtg | tgtgggtgat | accacagggg | cacttggggc | ccaaacccaa | 128940 |
| ccaaagaaaa | aacaccccc | ccccaaagta | tgaacatcaa | ctgtatataa | aactaacagt | 129000 |
| tcatataagc | taagtagcct | gcaggtagat | ggttatggaa | acagctttat | catacagact | 129060 |
| tctttcagta | gatgccattt | gagaaaaaaa | aaaaaacaaa | acattctttg | gattttcaac | 129120 |
| atgtaaacga | aaatatgtta | aatcttaaaa | aaccttaaaag | cagacgccac | tgctcttttg | 129180 |
| ggtcagggaa | gcacggctgc | aggccccccag | agcagcacat | tccctgaggg | aagccttggt | 129240 |
| cgctctcacc | agcaccaaga | acagccaact | ataataagct | cataaaaaat | cctgaaaggc | 129300 |
| tgcccaagcc | tgaaaatctg | atatgaaaac | agagggcaag | acagataaaa | ggcaaacctat | 129360 |
| actttaaaag | tcaattccag | ctatctgtgt | ggaaggactt | ctcgggacgg | actatctgct | 129420 |
| aagaccttgt | gggtgattta | aacagcgtgg | agggcagaaa | aagaaaggaa | agtgcaggaa | 129480 |
| acaatggcaa | aagctcctcc | tccgtggcct | ctacacgcat | ccaagcgata | tggaggggagg | 129540 |
| agggaaggac | actatacaca | ggtaccaatc | cccacgaact | agaaaaacaca | gcttttacta | 129600 |
| actagtctat | tttttttttt | accttagcta | gtgtctttct | tatgttttggc | ataatttctg | 129660 |
| ctctgcatta | aataaaccta | gtgtataaga | aggcaaatga | gtaaaaggtaa | agtcagttaa | 129720 |
| tgttcatttg | ttttgactgt | gtgggtgtgc | tgccaggcgc | attcgtggag | gtcagaggac | 129780 |
| aaccgcatgg | agcaggctct | ctccttccac | caccccaggg | gtcgcagggg | tcccagggat | 129840 |
| ggaactcggg | tggtcagatt | tgcctggcaa | gggttccact | cactgaggcc | ccccagggtt | 129900 |
| cccaattcac | ctgtttactc | taatgtatat | atttttgaga | cagggctctg | ctatgtagtc | 129960 |
| caggctagct | ttgaactcac | tgtggacact | agctggcctg | gaggtctgag | tgaacctcct | 130020 |
| gtttccaccc | aagtgtctgg | acaacagaca | gcaaccatca | aggcaaaatg | aagtcttccc | 130080 |
| ttcacaccaa | agtggcttcc | tatgaccttc | tctgacaac | cccaaacagc | aagtggcccg | 130140 |
| atatgcactt | gcgtttctct | tttttttact | caagctttga | ctccactttc | ctaaaagggt | 130200 |
| tttactagcg | tgaagcacac | ttcaggagac | aacctgtagc | tctggagtga | ccggaaacac | 130260 |
| accagctctg | atgcaaaaac | aaaaaacagc | gatggggatg | gggcaaagggt | ggcttgtgct | 130320 |
| tctgtgcaat | ggcattccct | gacgcattac | ctcacaccag | atacatacag | aaaagacaaa | 130380 |
| ggtaagtcc | cactcagtgc | gcgcattcc | cacacccaaa | gcaagcattc | aacagctcag | 130440 |
| tggcataagg | ccagcattat | cacagcgcg | acaaacacaa | agccaacctt | ctctttgagt | 130500 |
| tccccaagggt | acatagtgtt | ctgtccaagg | atggcctctg | cagactcctg | gaaacacgtc | 130560 |
| acccactgggt | tctcttgaaa | atctgcaata | tttgccataa | aaacacaact | ctattatttc | 130620 |
| agcgaataaa | taacaaaagg | aagacacccc | aaggacgagg | gaagattatc | ttttcctact | 130680 |
| taaagtaact | tccaagggag | aaatgacatt | gccgccacac | acagcccccg | actctttgggt | 130740 |
| taacggttcc | cccttatgag | gaagtattca | ctctgtgtca | ccccgtgttt | cacttttagt | 130800 |
| acagtatcta | atgaattaca | ggagccactc | aataccttta | tcataaagtg | ggctttgtgt | 130860 |
| taggtgatcc | tgaccaagcg | taggctatgc | aaatgctctg | agcacactta | ggggaggctg | 130920 |
| ggcgtgtcta | gcctgtctac | atgcaggtaa | tgctacgcca | gtcttacgcc | acaggaagaa | 130980 |
| gcttaaaatg | tggtcgaact | caatctgcta | gaggtgtgag | tttagacctc | gggagacggg | 131040 |

| | | | | | | | |
|-------------|-----|-------------|-------------|-------------|-------------|-------------|--------|
| ccaagtaa | ac | ttccgcagat | gtcggagcat | cagacagagc | tgtccctcc | tgatgcaaaa | 131100 |
| ggcttcgc | cac | ggcaagtttt | taatgagcct | ccatggtaat | agtgggttcc | tctctctcct | 131160 |
| cctcccttat | | caatatgtctt | gacatctttt | agttttttga | gacagcaaat | aacgtagccc | 131220 |
| aatctgccc | g | catacttact | gggcagccac | agctggccct | gaactcctcc | tgctgtcct | 131280 |
| ttaccccgta | | acaagtgtctg | gggttacaga | catatgccgc | catgttcagt | gtaagtgacc | 131340 |
| gctgcccagc | | agggcaaagt | cttccttatt | tacaaagcag | cagccaagcc | ctgcagccca | 131400 |
| ggcctatctg | | atttcctcag | cacaccccca | agggtctcac | cgatggcagt | cagtccatga | 131460 |
| acaccgtagg | | cttctcacaa | tccacactac | tcaccgataa | gatcatgcgg | tatttgaaat | 131520 |
| tgggaaattc | | ccggtcacac | ttctcacagc | ggtacaaccc | attctgctgg | tcaatcactt | 131580 |
| tcttattgca | | gtcctgggtt | gggcaggcct | ggtacatata | gttctctttg | cggagaaaca | 131640 |
| ccaccgctgc | | cacagtgtctg | aaatagtccg | cctgcaggcg | aaaggaagac | cgccatcagc | 131700 |
| aagcaacaca | | ggtctggaac | aggcaactca | aagctgctct | tccttgcaag | tggtgagcgc | 131760 |
| gtgtacatcc | | tagctccac | gctcacgaga | gatatgcaga | atcactaact | ctgggttcag | 131820 |
| aaatcacacg | | tgctacacgc | agaacccaaa | gaagtaacaa | accggcactc | acgcacctca | 131880 |
| ctttttccat | | tttgagagcg | gcggtcact | agctagcctt | gaactcagag | tttgggtctgc | 131940 |
| ctctgtctct | | atagagtgcc | tggctaccac | acctgggcac | tttgttttcg | agacaggggtt | 132000 |
| tctccggaac | | tactctgtga | gaccaggctg | gcctcaaact | cagaaatcca | cctgcctctg | 132060 |
| cctcccaagc | | gctaggatta | aaggcatgtg | ccatcagcgc | ctgacccaat | tcttttttatt | 132120 |
| tatagttatt | | atttgttaca | tatgtgtatc | agtgtgtatg | acgtccatat | gtatatgact | 132180 |
| gtgtgcagtg | | tgcacatgtg | tgcaggtcag | aggacaactc | tcaggagtca | gttctctcct | 132240 |
| cctactgttg | | cgtttgggga | actcaggttc | caagatagca | ggaaaagtgc | ctttaacagc | 132300 |
| tgagtatatc | | cgacactgac | atgtaatgat | tcagtgtgca | cacagtgggtt | ttgcatgtag | 132360 |
| tcatataaac | | cacagcgtgc | atgtgcaggc | taggaaacaa | cctgtgggag | ttggtgatct | 132420 |
| cccctacca | | tgtagagtga | ggagaggaac | tcaggctgtc | aggctcgggtg | gcagtgcctt | 132480 |
| tactcactga | | gttcccttgc | tggccaagca | ttatttataa | gatgggtgatg | tctaccctta | 132540 |
| tctttaggga | | tcagtaagtt | tttccccaag | acaagccaga | aaaacctttt | aggcccaatg | 132600 |
| agccattcag | | tcagtctcta | ctgccactcc | tcaacctgtc | tgtggggcag | gacaagccac | 132660 |
| agacaacctg | | aagacggaag | gtgagccaat | aaaatcttac | tgacagtaac | agccagccag | 132720 |
| ctcacaggct | | tgacaggcaa | ttcttggact | gaatgcgttt | aagagaatgc | agaattaccc | 132780 |
| atgactaaga | | tcttctaaat | ggaaaaatgc | ctggttaagt | aaccagcaa | ggagctaagt | 132840 |
| cacgcaagcg | | gtggatacct | gctttgcctc | tgaacctgtc | acaggttttg | gtttatgttc | 132900 |
| aatcatgtca | | agtacctaca | aaatccagat | ctagcctgaa | ttcaaagata | ggctacctac | 132960 |
| cctgcccccg | | gacccccacc | cggggtctca | ctgtgtagtc | ctggctgtcg | tagcgctctc | 133020 |
| tatacagacc | | agctgttata | aaattcagag | accacttgc | ctcccaagtg | ttgggattaa | 133080 |
| aggcatttgc | | cactatgcct | ggctctcact | ggttgtacca | gaggagcaaa | acaatgtggc | 133140 |
| catttaaaga | | gacgaagcta | gaaaccagtt | tagacagctt | tggggctgtg | ggtgtagctc | 133200 |
| agtgggaagag | | cttgcttagc | atgcacaagc | tgttggtttt | aacctcagc | gtgacagaac | 133260 |
| cgaatacata | | agaaggctta | gaggaggggg | tgggtggtgga | gagatgggtt | agaggttaag | 133320 |
| agctgggtgc | | ttaatttccc | agtccccaca | tgggtgctca | caacatccat | aactgcagtt | 133380 |
| ccaggggatc | | tgatgtcttc | ttctgacctc | ctgggggaca | tgcgactcat | ttgcttcaca | 133440 |
| tgcaggatgc | | ctcgggccac | tatgctggct | caggggtgaa | ggtgcttgct | gccaagctgg | 133500 |
| gtggatttga | | gtttgggtccc | tgggacccac | aaggaagagt | ttgacttcta | tacactgagg | 133560 |
| tggaaatgc | | atgctctacc | cgcaaattaa | aaacttaaaa | tttaaagagg | aagctgtaga | 133620 |
| gaaatagctt | | ttaggaggat | gcctaaggaa | cttctctgcg | ttttcagggtg | agattcagac | 133680 |
| tcaaagccca | | atttaaaagt | ttgagtgtctg | tcacgtgttc | tgtatgcccc | gttctggctg | 133740 |
| tccgttgtct | | gtcttttagtt | taagagagca | actgggtgag | aagtaactga | gagtctagcc | 133800 |
| gatgtttaat | | tctcaagatg | tcctgtgata | gcattataag | ttgctgtgga | tgacagtgat | 133860 |
| ggatcgagca | | cacagtgaaa | tgagacagtg | aggaagaaaa | cctatatattg | atacgaggac | 133920 |
| aataatggag | | cagtggcgag | cgatattttg | ggaataacaat | agaaataaat | gattcaaata | 133980 |
| tccaagagaa | | cgcagggttag | accaaggtag | gaagaggatc | actgggctgg | agagatggct | 134040 |
| cagtgggttaa | | gagcactgac | tgctcttctg | aagggtcatga | gttcaaatacc | cagcaaccac | 134100 |
| gtgggtggctc | | acaaccatcc | gtaataatat | ctgatgccct | cttctggagt | gtctgaagac | 134160 |
| ggctacagtg | | tacttacata | taataaataa | ataaatcttt | aattaaaaaa | aaaaaaaaaa | 134220 |
| aggaagagga | | ccactgagca | cacattgaaa | tggaaagatgc | aactgaaatg | caataccaga | 134280 |
| gccagtctgt | | ggcatggcag | caggaattac | agtctgttca | aaaccagca | cggacctgag | 134340 |
| gctacattat | | gtccctctac | actggcctg | actgaaaagc | agcaacgtgg | taccctggag | 134400 |
| caggcctgag | | gtcccaggta | aggacacagc | cctgacctgg | cactaggaaa | caggtgtaaa | 134460 |
| aactcaagcc | | cctgcogttc | tctgggtgtc | tggagcgagg | ggtgcgaggt | acctgtctc | 134520 |
| cctggcccag | | gttctcagat | ttagcctcat | ccaagttttt | ccagttgggtg | ttgccccctc | 134580 |
| cggccccctcc | | actcctgtgg | tcagagatgg | aaacaccatc | taaggcttgt | ccttctgagt | 134640 |
| caaacctagg | | ggagaaagaa | acaaacgtac | tgctgacagg | aacttcacat | ccttctcaaa | 134700 |
| tgtgctgtga | | atgcaccagc | cccagactgc | gccccctcgg | ctctcaccta | ggtctcagca | 134760 |

| | | | | | | |
|-------------|-------------|------------|-------------|------------|-------------|--------|
| cacctagtc | actcaagaaa | tgcaatgccg | ttgctccttc | catctcgtgt | ccttcaatgc | 134820 |
| ccctcctcct | ccacccgcaa | ggtcagacaa | actgccaaag | taccacagac | cccttcccta | 134880 |
| aactgggctc | acattgacag | cagccatgaa | caaaggcagc | aacagcaagc | cacactggca | 134940 |
| cccctccccc | cacccctcggc | ctcaagcctt | caccccaatc | accaaaatga | accagatgaa | 135000 |
| aaggggacatt | tttgtttcat | gagtctgcc | aaaatgtttt | catgggagaa | aatcttttaa | 135060 |
| gcccacatcag | ttatagaact | caatcagaag | gcattatctg | ctgtgttaga | gatttgcatt | 135120 |
| ctcagtgaga | atgtgtttat | ggaaatatca | agggttaaatt | catttatatg | aaattattat | 135180 |
| taaaattgac | tatacttctt | gaccatctat | tggctaattct | gaaggaaaag | aggccaggga | 135240 |
| gaaggtagca | aggacaggct | agtggcagag | gacagtgagc | ctgagatgaa | aacacctcaa | 135300 |
| ctacacgatt | gggtgtaact | aaagctgccc | ccacacagga | ctgactccct | aaggagactc | 135360 |
| ccaacagagt | agcgggtggcc | caaggcaagc | agtcacatcc | gtcagaggac | aagggtccata | 135420 |
| aatccgtctc | accactacta | gccgctcaag | tttaacttca | cacaggcatc | ggcaaccaaa | 135480 |
| gacgggtgaa | caggagtga | cagagccagg | agacaggcag | cctctcttat | agtaaaaggt | 135540 |
| ccactcttag | agccaagatc | taaagatcgc | taatccttgc | ctgggtaggg | gggggtatact | 135600 |
| gaacttgtag | atcaatgaca | gtattttgtt | cgggggacag | acatgcctgt | ttgtgatttc | 135660 |
| tgtgatcaca | gttactgaca | gtgaaatatg | aacaccttaa | tgtagacaca | caattaacct | 135720 |
| gggggttgtgc | tcagagtctg | ggagaaaaac | caaccaacaa | accagaccaa | tgccatggct | 135780 |
| gtctctggtc | agacttctgt | cctacaatgc | aacgctagct | atcagcacag | ttacacagcc | 135840 |
| agacccacac | cactgaggat | gccttaagt | acagacaccc | cagatggatg | ctctaagtag | 135900 |
| taaatattgt | tattggttta | catcagactc | aaaacaaaaa | tgaggagcgt | gaaatatgag | 135960 |
| ctgtttttct | tgagtctctt | aaattctacg | acacagctgg | aaaccacaca | tgcccaccct | 136020 |
| ggtactacag | ctattcaatt | tccttaagct | tgggttaggt | aaagtatttt | ctttgaccac | 136080 |
| ctcaatcctt | ctacacaaca | ccctcaggat | gaagtgtctt | tccaaggcag | agtttaatgc | 136140 |
| cttaaaaagc | tagatatggg | gtggaggttc | taacaagctc | tcctcatctc | ctgagtgttc | 136200 |
| tgggaatgac | aatgtacagg | caacaaagag | tccattgttc | tcactgtact | ttaccgagtc | 136260 |
| cagtgacaac | acaacagaag | atgtgaccag | ctccagagac | tcagcagagt | aagaaagtac | 136320 |
| attctacccc | cacatcagct | gcccacagtg | caaactgaag | atgctctcag | cactgttctt | 136380 |
| cagcgcgcag | ctgttaaagc | cttgccgtac | ctggcgggat | caaggtcagc | acttagattc | 136440 |
| taattgcttt | ctctggctct | ctatgttcat | caggggatcg | tgggtttgtt | ggtttaagag | 136500 |
| ggcttttcagg | ccaccatctc | agaagacata | atgcctcgaa | gaagtatagg | aaccactcca | 136560 |
| ctcaatagca | aaggcttggc | aaaacagctt | ggcagcagtc | cacatgctga | cactgtccag | 136620 |
| ctctggttta | ccagagccc | agcacagata | acccctgagc | tgagttgcac | aaaacctacc | 136680 |
| agccacgaag | cttataggcc | tctgggatgt | caggattcac | aatgacagt | ctggatgaga | 136740 |
| ggaccgagag | gctccgtcca | ccgaagtcag | agactcgggc | tcctttgatg | gccatcacgg | 136800 |
| gctgccgaga | gccgtcaaac | ttgtcagcct | gcaaatcaaa | cgcacgcaca | catcactgac | 136860 |
| aagaagaatg | tacaggatgg | ttttatggag | aagagtcagt | caatgtctgt | ggactctaag | 136920 |
| acagacctcc | cactcgggaa | ggagcattgc | actacaagaa | gctgcaataa | ccgatcatct | 136980 |
| cacacagcga | aggtcttcaa | atacttactg | gatagcacaa | ctccctgagc | taaagcccca | 137040 |
| ccctcaggac | tcggctcagt | gcaaggactc | acatcttctc | cccacagagt | tgtggtcacc | 137100 |
| accttccctg | acatgtccat | caaatagata | tttctcttag | caacttctct | gttgttcgac | 137160 |
| ttcactgtga | ttttaatcga | atcttcatag | ctcttgacga | ttccaatgat | gtctgaaaca | 137220 |
| aagaacactt | tgtaagagct | cccatcaagg | ctcctcttta | aaacacggca | gggacgaaag | 137280 |
| gcaagcacgc | tagtcacgca | tcaccccaaa | cactggagac | aaaaatcacc | actctttgcc | 137340 |
| ctcaaccctg | gacgcaccta | ctagtgcgtc | tttagccttg | ctctctaggt | caccgatccc | 137400 |
| tgtgaaatca | aactgaactg | tgggtaagt | atggccatct | tcacagggaa | ggacagaagt | 137460 |
| ctcattattg | aaggctcatct | catagtcatt | tttaacagcg | gagaactgtt | tgtagcgat | 137520 |
| cttcagggcg | ccctttgaga | agtaatacac | ctgcaaaaaga | ggccaagtca | gggcaagcta | 137580 |
| ctcagtcctt | caaagcccg | cccacaatgc | agccttccaa | actgtgtcta | tggctctcac | 137640 |
| agttcagcct | gtcagctctg | actcaacacc | gtcttcttcc | cttggttca | tcaataaggg | 137700 |
| gaaagaactt | gtccacttgc | tcattgaaag | cagtagctct | gatttccacc | tgcagaagca | 137760 |
| agggagagca | cattagaact | gcgctgctag | gccctcgctc | tcaacagcga | gagcaggcca | 137820 |
| ttttgacagt | tagacaccat | cctcggagca | acagtccaag | tgtaaagaga | ccctcacagg | 137880 |
| gctgcagaca | ttgcagaatc | ccacatatac | agttacattt | tcaagctatc | agctctggta | 137940 |
| aaacaaaagc | agctcagcca | cccagaccta | cagttgtgaag | ttaacacata | aaacgagggga | 138000 |
| gcctcgagat | gatctggaag | acaaaggtgt | ttcctgtgcc | aacctggcca | ccctagttta | 138060 |
| atcccgggac | cctcgggatg | gagaagacaa | tcgccccacc | aagttattct | ccagcctttg | 138120 |
| cacacgtgtg | catgcataca | cacgaaaata | attctttacat | cttatcaaaa | cattttttaga | 138180 |
| aggaatatgt | taatatccg | ataatgaaac | ctaatattct | gggtcccag | tgatgggtcg | 138240 |
| gaagcccaca | ggaaggcgtg | ctgaactcca | atgattcagc | actcttctc | acgcccgcga | 138300 |
| cctaagtgac | ggcttacttc | acagtcagga | gctgggtgcca | aaaatgttcc | aacaagtcac | 138360 |
| gctttcaagc | tgactgcact | gttacttttc | tgtcaggcaa | tatgttacag | atggataaga | 138420 |
| aacttaacta | aatggctaaa | accttacc | gacaagctgc | aggaaattag | tttctgatac | 138480 |

| | | | | | | |
|-------------|-------------|-------------|-------------|-------------|-------------|--------|
| tgaatctgcc | atcacagtta | agatatctgc | tgtgctacac | cgtgacaaga | ggaagaagag | 138540 |
| ggggagagag | ccccaaagct | ttgcccttcc | cggatcatcg | gcttatttta | cgtgtgtggg | 138600 |
| tgttttacca | gcattgtatgt | gtgagcatca | ctgagtgtct | gatgcctgag | gtgaccagga | 138660 |
| gaggtactgg | atcactgaca | cgggagtcac | agatggttat | gtgctactct | gttggtgctg | 138720 |
| agaattgagc | ccaagtcctc | tcaaagaaca | gcgagtgtct | ttaaatgctg | agcagtctct | 138780 |
| ctggccccctg | catttttgctt | taagtaaagc | ctagttagta | taaagtatca | gaagccctcc | 138840 |
| ccgcagacta | gttaaagctg | agtagctgct | gctccttctg | ctggaggcaa | acccgcctcg | 138900 |
| ctcggcaggt | atcacccag | ggcttcaact | gtgccccctag | caatgtaatt | agagcgctgc | 138960 |
| agtctctgca | gacggagact | atttacagtc | caccaatctg | tattgctaca | gacgcgtccc | 139020 |
| tttaggagca | ctttatctca | tgtctgaccc | tgtgccccag | atagcatcaa | aggtctccaa | 139080 |
| cagaaggaaa | gccacaatga | ccgccatggt | cctcggaagt | gagccccacc | cgnnnnnnnn | 139140 |
| nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | 139200 |
| nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | 139260 |
| atctctatat | atgaatgagt | atcctgtagt | tatcttcaga | cacaccagaa | gagggcatca | 139320 |
| aatccccattt | acaggtggtg | gtgagccatc | atgtaattgc | tgggaattaa | actcaggacc | 139380 |
| tctagaagag | caatcagtgc | tcttaacccc | tgagccccct | cccttttttt | tttttttttt | 139440 |
| ggcagcttat | ttttaattgt | tttaaatacac | gtatatgttt | ctgtatgtag | ctatgttcac | 139500 |
| ataagcgcag | gcactcatag | aggtcagaga | tgtaagatgc | ctttggagct | ggacttaaac | 139560 |
| atggttgtga | gccatctgat | atgagcacca | agtggacttg | ggtcctctgg | accgccttgc | 139620 |
| tgccctccac | ctagaattac | agtatatgca | attagctgct | cagccacccc | ctcagtccct | 139680 |
| cttagtactt | tcaacatagt | gtaaatcgga | gagcactcct | tggtgcaaag | attctgtgtg | 139740 |
| ttctatcatt | ctctacaccc | aggcttcatt | gggacgtgtg | atgccagcga | tgattcattg | 139800 |
| gcgtgaagta | tgagttagag | tcagacaatc | agtgtctctc | gctctgagtg | ggtctccctg | 139860 |
| cccctgtgtc | tctgagacag | gggaggatct | tcctgttgga | tcacatagtg | catagagccc | 139920 |
| tgtgtgcaca | gcgctctcaa | ccatttggtg | ccatttcaaa | tacagtgact | tcagagtctt | 139980 |
| ccttgaaata | acagatttct | ccattttggt | tgttcccttc | tttcgtcaca | aagacctgag | 140040 |
| gatgagatgt | ttttgaagga | actttctagt | agttactcgg | tggaaaagga | caatgatgct | 140100 |
| cccctcttct | acagagaaga | aggaaaacagg | aaattccaag | aaaaggagta | cacagatgct | 140160 |
| gcagtgtgtg | actctaagg | aacgtgcgtc | caaccagcag | ttgaacaagg | cgggaagatag | 140220 |
| aggcaaagtg | cagactcata | accagtcctc | tgttttgctt | tggttagttg | ggttggttgg | 140280 |
| tttgtttggt | tgtttggttc | ttcttcttta | ttagtcggat | tggatttggg | aaaaatgtag | 140340 |
| tagaattcta | ttggttgatta | tattcacaaa | caaaagactg | tttatatgtc | ctgaattttg | 140400 |
| gcaagattct | tcccatatct | cttcagaccc | atagcagcag | caagcttagt | ggccctttgc | 140460 |
| caggtattct | cactgagctg | tacagcattt | gtctgaagaa | ctgatgaaca | tttttagctta | 140520 |
| tgctcctatg | ttagtaaata | gctaggtttt | tagctagcca | ccttgctagc | ttacaactag | 140580 |
| aatgcctctg | gctgagtttg | gtggcacttg | ccttttagttc | cagcactcag | gaggcagaag | 140640 |
| caggtgaatc | tctgagttca | aggcagcctg | gtctacataa | caagttccag | cctggccagg | 140700 |
| gatatgtagt | aagactctgt | ctcaataaag | taaacagcca | gaatgactta | aatatgtcta | 140760 |
| aaaaagaaaag | aaagaaagaa | agaaagaaag | aaagaaagaa | agaaagaaag | aaagaaagaa | 140820 |
| agaaagaaga | aaatgagtgg | atgtgccaata | gcctagtcaa | actagatttt | cttggttata | 140880 |
| tgtaaacata | ctactattaa | caacaacaaa | tactttacac | taaccatgac | aagctatat | 140940 |
| tttaaattat | tatttttatat | gtatggtgtg | ggaagctgtt | gcagagtggc | agttggctac | 141000 |
| tgctggccac | cacacataca | taggcagtga | aggttctttt | gccaagacaa | gttaaccaat | 141060 |
| cagatgtgag | acacgcctct | cctaggccta | tgtaagcagc | accagttctg | ggctcagggg | 141120 |
| ctcttcgcct | ctacaatcaa | gctctcccaa | taaacgtgtg | cagaaggatc | ctgttgacgc | 141180 |
| gtcgttcttc | ctggccaggt | gagcgcgcac | aagagtatgg | gttttccact | acatttatgt | 141240 |
| gaactgcattg | tgcaacttgg | acccagggag | cccagaagag | ggcatcatat | cccctggaac | 141300 |
| tagagtcaca | ggttatgtat | gggttctagg | aatcaaacc | atgtcctctg | gaagaacagc | 141360 |
| cagtgttctg | gatttactg | ctgagtcac | tctccagccc | caccatgatg | gatttactg | 141420 |
| ctgagtcac | tctccagccc | caccaagctg | gatttactg | ctgagtcac | tctccagccc | 141480 |
| caccacgctg | gatttactg | ctgagtcac | tctccagccc | caccacgctg | gatttactg | 141540 |
| ctgagtcac | tctccagccc | caccacgctg | gatttgggaag | cagaactgag | gctttgaaca | 141600 |
| ctgtgttatt | ctaactcttg | cttccttgga | accctgagaa | aattccttct | attggctttt | 141660 |
| cagagatctg | tatgggctta | aaacaagaat | atgtccaact | cctgatctct | gattttatat | 141720 |
| attaaaagaa | tagagttagc | ctaggagttt | ggcacactcc | tatgttccaa | gcttcaggaa | 141780 |
| gggaagaagg | tcaggagtgtg | aaggctagtc | agtcttagct | ttgtgacaag | tttgaggcta | 141840 |
| acgtgagctc | tatgagaccc | tgtctaggag | aggagaaaga | aaggggtaaa | gtgaggtgtg | 141900 |
| gctccacgct | accacttgcc | taacacgcac | gacgcccaga | gtttccgttc | ccagccctgg | 141960 |
| gggttcagagt | attgtgcaca | cctgtatctc | ttaaaagtca | atagtcaacc | cttggaaatta | 142020 |
| actttccgaa | aaatatataa | gctacatcat | ccactctaca | aacttgtaaa | agcccttctt | 142080 |
| tgtaatgggtg | taagaaaagta | tttggcttca | gttttatggc | ctttgcatcc | taaagtgttac | 142140 |
| cccatggaaa | gttgcttaaat | gaaaacaggt | aaaaataaga | caggaggggac | tgcaaagatg | 142200 |

| | | | | | | |
|-------------|-------------|-------------|-------------|-------------|-------------|--------|
| ctcagggtca | cgagtgcctta | ctgccccttgc | agagaccatg | gcaggcagtg | ggtctcccta | 142260 |
| ctgcaggga | tccaaaaccc | tcttttggcc | tctgcaggca | accacattaa | cacatgcaca | 142320 |
| catacacata | attttaaaaa | taaaataaat | cttttaaaat | gagctctaga | acgagtttga | 142380 |
| catcagctta | ggctacacaa | gacctgtgtct | caagaagaaa | gaaatgaagg | tttgctgtgg | 142440 |
| atggagaggg | agatgcactt | cctattccat | gaagctgcta | ttttgggtgat | tatgggtactt | 142500 |
| tgcaatttta | tagagagctg | ctatttttctt | tcttttaaaag | taatgcttgt | tgttttgact | 142560 |
| gtaaaagtaa | taaagtgttac | tttggaataat | atagagaagt | ataaagagta | aaaaaaaaag | 142620 |
| tcataaccag | tgaagtaccg | ttaacatttc | tgcttctatc | cggccagcca | gagtttttcc | 142680 |
| tgtgagaatg | tgtttttctt | ttacaaaatt | gggataatgc | tgcaacttact | gtttttgtagc | 142740 |
| ccactctttc | ccttcacgat | ttattgtacc | catttttctca | cagtattaaa | ttttcagctc | 142800 |
| caagtaattt | tccatagcta | actctgtgtt | ctgttacaga | gaagaaatgt | acttaattta | 142860 |
| agatctaata | ttggcataat | atttggcatt | atgatgctat | aataagcatc | ttctgttata | 142920 |
| aataattttta | tgtacagcca | gtgttttgtt | tgggatgaat | tagcacaaga | gtaaagtgtg | 142980 |
| gggtcaagcc | tctgagtga | gctgaattgt | tctcaggaaa | ggactagtta | acatccattc | 143040 |
| tgaaagaatg | tgggaatgct | catttcttaa | gcaacactgg | ttattattac | atactattat | 143100 |
| tttgtttagta | ttatacattt | atttaggggg | ataggaaata | tgctcatata | gttcaatttc | 143160 |
| aagagttgca | aaaatatatg | gtgtggttct | ttttcctgtc | ccctagttaa | gtctcacttc | 143220 |
| cagccccata | atctaccttg | ttaaatatac | tgtatataag | gcatatgtag | gtgaataaaa | 143280 |
| aacagcctag | tatggtggcg | ttaacctcgg | gttacttgag | aactgctctt | gcagagaaca | 143340 |
| tgactttggc | tccgaaagcc | ttcctggaat | tccagctcca | agggatgcag | tgctctggc | 143400 |
| atccttgggt | acgtcactca | tgtgcacaca | tacacatttg | gtttttaatc | ttaggaaactc | 143460 |
| caagtgggcc | aattgagatgg | ctccatgtat | aaaggcagtt | atgcaaagggt | ctggatgaca | 143520 |
| tgagttcagt | cttcagattc | tgcaagataa | caggagagga | ccaacccctg | cgagttgtcc | 143580 |
| tctgacctca | gtacacatgt | catggtacgt | gtgtagtatg | cacatgcaca | gaagtcccag | 143640 |
| cactcgggag | gcagagggcag | gaggatctct | gagttttagg | ccagcctggg | ctacaaaacg | 143700 |
| atttacagtt | atataaagaa | actctgtttt | gaaaaacaaa | acagggggtg | gggatttagc | 143760 |
| tcagtggtag | agcgtttgcc | tagcaagcgc | aaggccctgg | gttcagtcct | caactctgga | 143820 |
| agagagagag | agagagggag | agggaaaggg | agagggagag | ggaggagagg | gaaaggaagg | 143880 |
| aaggaaggaa | ggaaggaagg | aaggaaggaa | gaaagaaaga | aagaaagaaa | gggaaagaaa | 143940 |
| gaaagaaaga | aagagagaaa | gaaagaaagg | gaaagaaaga | aaggggaagg | aagaaagaaa | 144000 |
| gaaagacaaa | gcaaaagcaa | actaaataaa | atacatacaa | tataattaaat | tttaagactt | 144060 |
| gagggcatag | actagtgtta | taatgcttac | ctagcatgcg | taaaactcct | ggcttctaaa | 144120 |
| cctagcaccc | taccgcaaaa | tatttgctct | gtcttgctaa | attatattgc | tagttgtcag | 144180 |
| actactgtgt | actttcacta | gcaacataat | gagaatgttc | actatcccac | tcctctgtca | 144240 |
| agtaatctgt | tcttggtttt | atttttcttt | gccaaattga | tgggtgaaca | agtatttcag | 144300 |
| ctagcctaga | acacacagag | aactctcttt | atgaactcaa | gtttcttata | cttttatgat | 144360 |
| ctccagaggt | ttgtttttgt | gggtttatta | gtgttttttg | tttggttggg | tgtttgtttg | 144420 |
| tttggttggg | tgggttgggt | tgctttactt | tttcttattc | atttttttat | ttctttattt | 144480 |
| ttttgttttt | aattttaatgg | actggttcca | tgtggccaag | gatagcctca | actttgtagc | 144540 |
| agaaagtggc | tttgaacttc | tggctctcct | tcactctact | cccaagtgat | gggatttaagg | 144600 |
| cacgtgccac | cacatctaac | aatatctggg | tttctttatt | ggagtttgaa | agggattcct | 144660 |
| ccagcattac | tttgactcct | catagtttct | tccagagtta | ttacactttc | atttggtaca | 144720 |
| ttaagagttt | gatccagggc | tggagagatg | gctcagtggc | taagagcacc | aactgctctt | 144780 |
| ccagaggtcc | tgagttcaat | tcccagcaac | cacatgggtg | ctcacaatcg | tctgtaatgg | 144840 |
| gatctgatgc | cctcttctgg | tgtgtctgaa | gacagctaca | gtgtaatcat | ataaataaaa | 144900 |
| taaataattc | tttaaaaaaa | aagagtttga | tccattttaca | ctggacttct | tgaggcagca | 144960 |
| ggatcataaa | ttcaaggtga | gcctgggtga | actggcagaa | gtggcagaag | ctgtgtctca | 145020 |
| cactgctgta | ttcatttcct | cattgatctt | cagaggtttg | ctaacgggaa | gtaagtggaa | 145080 |
| cagaaggttc | agtattcttt | ttttcccaat | tctattcagt | ctttagtagt | agatccctca | 145140 |
| ttatctgaga | tgcagagtcc | cctttattcc | tgtgaccatc | tcgttggttt | tcagggagtg | 145200 |
| tctcattcaa | ggcctaacac | tgaggacatt | tcactgtgct | atgccaatcg | ctctgcagcg | 145260 |
| ctcttccatc | tgggtcagta | tgaagtgagt | attgaagaac | ctgggtgtcct | gcctgtggct | 145320 |
| gcagtggaaa | atgagctcct | ctctgttctt | ctgcacacat | tgaaatcaac | tagcttgcaa | 145380 |
| acactgacat | ccaccagac | ccattctctc | ttctgactca | tgtcacctct | cataggtgac | 145440 |
| cacaaacaat | atgtagttga | caagaagtag | ctatgtcatt | gtccacagtg | catggatttg | 145500 |
| ttccaatagg | ccagcacttc | tgtgtccata | tcagctagat | gtgctgctga | tagtatttta | 145560 |
| gattccaaaa | tgtgtccaga | tattacctcc | tctgtttgtt | tcttctaaat | aagccaggca | 145620 |
| caaagacttg | aaagatggct | tgatggctct | tccagaggct | gggtttgatt | cccagcccca | 145680 |
| acatagcagc | tcacaatagg | ctataacgtc | atttccaagg | gggtctgactt | cctgttctgg | 145740 |
| cctctacagg | cagaaagcac | agacatacat | gcaggcaaaa | cacataaaca | taattgaaag | 145800 |
| aagatattaa | ataatagccc | acgcttgagc | ttattcctct | gatgatacag | ctctcctgaa | 145860 |
| gtcatcatgg | gcagtgtaaa | agtaaagggtg | ccccgcctcg | cccaggggca | tcagtgaggt | 145920 |

| | | | | | | |
|--------------|-------------|-------------|-------------|-------------|-------------|--------|
| agctgactgt | gagtggcttt | cttctcatcc | cctaactgct | gcaacatcat | caactgtgga | 145980 |
| gcattatatc | cgtggatttt | aagttaggaa | atgacaaa | ttagatctat | ggccaggcac | 146040 |
| tagtgcacgc | ctttaatccc | agcactcagg | aagcagaagt | aggtggatct | ctgtcagttt | 146100 |
| gagtttacag | agagtgtcta | ggcagccagg | gctatataga | gaaattctat | ctggaaagaa | 146160 |
| taaacaaatc | agatctgtat | ttcaggaaga | tgcctatgag | ctgtttgaca | tgtgtgatag | 146220 |
| aggtccttaa | ggacaggaaa | gtattccaca | tgtgtgcatt | ttacagaaat | tggttataca | 146280 |
| ctggagttaa | ggactgttgg | aatagttgaa | tgttcacact | cagtgttctt | caaatacaat | 146340 |
| agaagaacaa | gaatctatct | gggcatgggt | atgcacaaat | gtattccctaa | catgtagaag | 146400 |
| actgaggcat | gctatgtgtt | tgtggctaac | ctgggctaca | tagtcaatat | tggacagtca | 146460 |
| gagctgctac | taaaacctaa | aaaacaaaaa | tctaataatc | tgggatttta | tattttcctt | 146520 |
| tttttaaaaa | aagagtgggc | agaatgtctc | tgttttgg | cagatggcca | cagaacctag | 146580 |
| aaaaactgct | gctgctgctg | ctgctgcata | gcacacagct | aatatttgac | tatacgtata | 146640 |
| taaattttgt | tgtatacttt | agctgtgctg | tcaactttgg | aaaaaaagta | tcccagttta | 146700 |
| tcatttttaaa | ttggcactgt | acagaaatta | acagccatat | tagtctagac | acattaaact | 146760 |
| tcattttttcc | atttatacag | aagcaatgta | ctgtattaaa | tattcagctc | tatctacagg | 146820 |
| ggtttgatta | cagaaactat | caaagtattc | tctaaatgat | gaaaaaagat | tcaagaatct | 146880 |
| gactgtagat | ccaaaggaca | agtggagaaa | aacttaggaa | gaattttccc | tttatcccc | 146940 |
| ccctatatattg | atcatctctt | ttactttctaa | taatagtggc | catttattga | acatacccag | 147000 |
| gagttccttt | catcacttta | gatataata | ttatctcatc | ctaaaatgac | ctggtgatga | 147060 |
| gtcatctctc | tttcagatga | gaaacaaaga | cattgaaaaa | tctaacttgc | ctgcataaga | 147120 |
| tcacactctag | cctcttactc | actccatgaa | tattcctttt | ttttttttcc | tttgagacag | 147180 |
| aatctcacta | tgtagtcttg | gttgccttag | aactcaatat | atagaccagg | ctagcctcaa | 147240 |
| actcacagag | atctgatagc | ctctgcctgc | cgagtgcctag | ggttaaatgg | atgtgtcacc | 147300 |
| aagcccagca | aaattttacct | tcttaatttt | ctaagacgtt | tctcctctta | aaaaatggaa | 147360 |
| ctattgagcc | agtcattggtg | agacaggcct | aatctttaat | ctcagcactt | aggaggcaaa | 147420 |
| gacaggccta | tgggttcggg | gcagcctgat | ctatagagag | agttctatgg | gttaaagttt | 147480 |
| agggttaaaag | ttttgagaca | aaactttgtg | tcaaaaacaa | acaaacaaag | ccagactgct | 147540 |
| taataagaca | aatcagacat | aatattataa | acaagtatta | gtgtcactca | attaaaaagt | 147600 |
| cactcaggag | gtgagatcaa | tccccagcat | aatgagggga | ggaggggaga | gaaggaaatg | 147660 |
| aatgggaggg | gaggaggaag | gaagagagaa | aaaggaaaaga | tctcaaagca | gaacacagga | 147720 |
| tgtaattttaa | ggcctaagct | ctcgactgaa | gttgctccact | tttaatgacc | cttttcatgc | 147780 |
| tcatgggtttt | ctgtcttcgg | tacatagtga | agagtggaaa | ccaaggggtca | tcctggaatt | 147840 |
| tccttttgtt | ttcaggcatg | tcttaaagac | atagtggaa | caggtatgca | tgggtatcct | 147900 |
| gaaagactgc | agcccaagat | gatgggtgct | aagacagaat | gcctggtgaa | cctggggaga | 147960 |
| ctccaggagg | caagacagac | catcagtgat | ctcgaaagca | gcctcactgc | caagccaacc | 148020 |
| ctgggtgcttt | cctcttacca | gattctgcaa | aggaatgtcc | agcatctgaa | aataaagatc | 148080 |
| caagaaaagg | agactctccc | agaacccatc | cctgcagctc | tcaccaatgc | cttcgaggat | 148140 |
| atagccctgg | gggaagagaa | cacacagatt | tctggggcct | ccctctctgt | cagcttatgc | 148200 |
| acacaccctt | tgaagggcgg | ccaatctagtt | gccacaaaag | acattctccc | aggagaactg | 148260 |
| ctgggtgaagg | aaagtgcctt | tgtaaagtgc | cttatcccag | gagaaaatgcc | acgacctcat | 148320 |
| cattgccttg | agaacaagtg | ggataaccaga | gttaccagtg | gagacctota | ctgtcaccga | 148380 |
| tgtctgaagc | acactttggc | cacagtacct | tgtggcagct | gcagctatgc | caagtattgc | 148440 |
| agccaggaat | gtatgcagca | ggcatgggac | ctctaccata | gcacagagtg | ttctcttggg | 148500 |
| gggctgctcc | tcacactcgg | ggtcttctgc | catggtgccc | tgagaatgac | tcttttagcc | 148560 |
| agatttgaa | atgttgatag | agttgtaagg | atgctttgtg | acgaggttgg | tagcacagac | 148620 |
| acctgtttac | ctgaaagcaa | gaatctggtc | aaggcatttg | attacacaag | tcaggggagag | 148680 |
| agtgaagaga | agagcaagat | aggtgaaccc | ccaattcctg | gatgcaatgt | caatggaaa | 148740 |
| tatggaagta | attataatgc | tatcttcagc | cttttgcccc | atactgaaaa | gcatagcccc | 148800 |
| gaacacagat | tcactgtgct | catcagtgtc | tccgcactgt | gcagacaact | caaagctgac | 148860 |
| agcgtgcagg | cccaaaccct | aaagtcccct | aagctgaaa | cagtgaacccc | agggctgtgt | 148920 |
| gcagatttga | ctgtttgggg | agcagccatg | ctgcgcacaca | tgctacagct | gcagtgtaat | 148980 |
| gcccaggcaa | taacatccat | atgtcacaca | ggtaagtcag | aaatggtttt | tacttacatt | 149040 |
| attgggtattt | caagagctaa | tgtttaagga | gaaaaacact | ataaagggaag | cctggcatca | 149100 |
| aataaatcag | tgacctaaaa | ggaaaacaca | gccgtcttat | atatcattat | gctattgaga | 149160 |
| agcttttgagc | acattttctgt | gaacccagag | cttggggaggt | ggagatagga | tgattaggag | 149220 |
| tctaagacag | cttttagctat | acagcacgtt | tgaggtcagc | ctgaactaca | tgagaacttg | 149280 |
| tctcttaaaa | acttgagcca | gagccaggtg | gtgggtggc | atgcatttaa | ttctagtact | 149340 |
| caagaggcaa | agcagggcag | atccctgaat | ccagcctcgt | ctatatagtg | agatccccac | 149400 |
| caggctacat | agtaagatcc | tgtttcgaat | aaataaatat | aaacaaaaca | gcaataataa | 149460 |
| caatagcaac | aaattaattt | tttagatgta | tttattttatt | ttatgtatga | gtacaccatt | 149520 |
| gctttttttca | gacacaccag | aagagggcat | tggatcccat | tacagatggg | tgtgagccac | 149580 |
| catgtatgtg | gttgcctggga | attgaactca | acacctctgg | aagagcagtc | ggtgctctta | 149640 |

| | | | | | | |
|------------|-------------|-------------|-------------|-------------|-------------|--------|
| gccactgagc | catctctcca | gtccattaat | taaaaattta | aaactagagt | atttttaaac | 149700 |
| atttattcat | tttgtgtgtg | gtatacatat | tataatacag | gttcataagt | caattctctt | 149760 |
| ctaccatgtg | tgtcttggag | atcaaaactca | ggttcttagg | catgggagca | agtatttact | 149820 |
| tcctgaacca | tctccctagc | catttctagt | attcttttct | tttgtcttga | aagattttatt | 149880 |
| tattatatgt | aagtaactg | tagctgcctt | caaataccgg | aaaggggaat | cagggtcttgt | 149940 |
| tagagatgat | tgtgagtcac | catgtggttg | ctgggatttg | aactcaggcc | ctccagaaga | 150000 |
| gcagtcagtg | ctcttaactg | ctgagctatc | tccagcccca | tttttagtat | tcttattaag | 150060 |
| tggtttccat | tttatccaaa | gatgccttta | agggccttgg | aagatggctc | agtggggcatt | 150120 |
| gaacttggtg | tgtgagcatg | aagaccagag | ttcagatccc | tagcaccag | gcagatgctg | 150180 |
| aatgatggtg | gcctgcctga | gattccagga | caacggagac | agacaggggc | cctagctaac | 150240 |
| catactacac | actagctgag | ctgtgtgctc | aagagagcag | ccctggctta | ctgtgcagga | 150300 |
| tggagagtga | tcatctccac | aggcaagcac | acacctgagc | acacagacat | gcacaaagga | 150360 |
| aagaaaagtc | cttttaaggc | ggtggtgggt | ttgtgttttg | ggggtctttt | gttttgtttt | 150420 |
| tttctccccc | tccctcattg | tgatggcaca | ttcctttaat | ctcacatctg | ggacaaagag | 150480 |
| gccggaggat | ctttgtgaac | tggaggtcag | cctgttctac | atagcaagcc | catttcagcc | 150540 |
| aggacgacat | agatataccc | tgtctcaaac | agacaaaaat | tattttattt | atataatttg | 150600 |
| atgttttgcc | tgcattgtatg | tctatgcaca | ttatgtctgg | tgcccatgaa | agccagaaga | 150660 |
| gggcatcaga | tctctcagaa | ctggaatttc | agacacttat | caagtactgc | ctgagtgtct | 150720 |
| ggaatcaaac | caaggctctt | tgggaagagca | gcaagtagtc | tttttttttt | ttaatatattt | 150780 |
| tttattacat | attttcctca | attacatttc | caatgctatc | ccaaaagtcc | cccataccct | 150840 |
| ccccccccc | ccccgagcag | caagtatttc | tcatgtctgg | gccatctccc | catctccttt | 150900 |
| tctagttaaa | ttaagtga | gggagggagg | tagatgttgc | ccaaacttag | gattttattga | 150960 |
| cagattaata | ctctgttagc | ctaactacac | tatagaagct | tattcttttag | actttcacat | 151020 |
| tacactgtcc | agattttgccc | atcctttttg | ngtgtatatg | tctacagatc | ttaattcagc | 151080 |
| tgccaattta | tacagtgttt | ataggtattc | tttgtgacgt | ggatctttta | cccatcttaa | 151140 |
| agcagtagga | tttgaaagct | gacatttatg | tggcctatgg | tcctgttaaa | tcacatttca | 151200 |
| agttagtctc | tgtggtacac | attttgggg | ctatctgcgg | ttccgcatct | cacacttttc | 151260 |
| cctctcaggg | tgtccagaag | ctgctgcaca | ctgggctgga | aggatgaagt | ggagtccaga | 151320 |
| gtgagtggaa | ttctgcagca | tcccgggtcca | gctgggagtg | aatgctgggg | tcaggaggag | 151380 |
| atgggtgaga | gggccttctc | caagggcctt | cttagtgtaa | cagctctagg | caaaggcctt | 151440 |
| ctctgacaat | cttagcctgt | gcatagtttt | ttattcgaga | tgagcttgta | tgacataact | 151500 |
| ttattggcag | ttaactcagag | gttatccact | cttaggggaag | gagataggaa | taccaaggt | 151560 |
| ggacagaggt | cattggctga | aggataacgt | actgagatgc | tcattagcac | ggggaggcat | 151620 |
| cccaggaatc | tcagggtgctt | gctgactggg | tttcttaggg | ggttgagagg | gtagcagtga | 151680 |
| tttcaccaag | gttatgtatg | gcagagggta | taggggtttc | aggctcccca | gacaaagaag | 151740 |
| gagaaggaga | agccctgctg | ataagggaag | tccccattt | tgagccactt | cagaaggcta | 151800 |
| tcaagacact | gatagacttt | gtccttaatt | agcagggccc | aacaagtgtc | tgttttcttt | 151860 |
| tctgccttca | ttggctcttt | gagccactgc | tacaaaatat | ccaaatctgg | gccaggaagc | 151920 |
| tggctcggct | agtaaagggtg | tttgctctta | agcctgaagg | cctgagtttt | cacttgattt | 151980 |
| ggtttggttt | ttgttttttt | gagacaagg | ttctcagcat | agccctgggt | attctggaac | 152040 |
| tcactctgta | gtcaggctc | aacttgaatt | cagagatctg | cctgcttcta | catcccaggt | 152100 |
| gcttagatta | aagttgtgctg | ccaacactgc | ccacctaaaa | aaaatatgag | gggctgggtga | 152160 |
| gatggctcag | tgggtaagag | cacccgactg | ctcttccgaa | ggtccgaagt | tcaaatccca | 152220 |
| gcaaccacat | ggtggctcac | aaccacctgt | gatgagatct | gatgccctct | tctggtgcat | 152280 |
| ctgaagacag | ctacgggtgt | acttacatat | aataataaat | aaatcttaaa | aaaaaaaaaa | 152340 |
| aagaacacta | ttcacaagg | acaacaacag | tgtactagga | aactttaaaa | tagcccatca | 152400 |
| ttcattctag | gggaaaaatc | tttttaaaact | ttagtgtgta | agaaagagag | aggggctgta | 152460 |
| gaaaggccac | agcacgtgta | tccagggttag | gagtcaactt | ttcagaagcg | gagtcctccc | 152520 |
| ttctacctgt | ttttgaggga | gtctcttgtt | tctgccctac | actttgtaca | tgaacttcaa | 152580 |
| gatggttggt | ctatttctgc | ctctcatggt | gccctatgca | tgctgagctt | actgatgcca | 152640 |
| gccaccacat | aagcatggca | ccagcactga | gccaagggca | ggcatctggc | tcacatggag | 152700 |
| agttacccat | caagccatct | tgctagcccc | agaaaatgta | tttttgacag | gtgtggtggt | 152760 |
| gcacatattt | aatcccagca | ctcaggaggc | agaggcaggc | agatctctgt | gtctgaagcc | 152820 |
| agcccagttt | acaaatcaag | tcccagaata | gccaaggcta | catagagaaa | ccctgttttg | 152880 |
| aaaaacaaac | atccttctgt | gttccagtca | caatgactgc | tgtaacaata | atatgaggat | 152940 |
| ttgggcgtgt | caaaaaatcac | aagtagcaag | gtgtaatggg | caggccttta | gtctcagcac | 153000 |
| ttgggaggga | gaggcaggag | gatctctgtg | agtttagcac | agccagggct | gttacacaga | 153060 |
| gaaacctgtg | ctcaaaaaaa | ccaagcaaaa | atagaattac | aagttaacca | gggtattggg | 153120 |
| gttaatatga | aatagcagaa | ctcaagatag | ctaatagaac | aaaggattct | attttataaa | 153180 |
| ggagacattc | catactgaaa | tatatgcaga | gcctgatgct | tgccctagcaa | ctgaactaca | 153240 |
| cnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | 153300 |
| nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | ngcctgggca | agagtaagca | 153360 |

| | | | | | | |
|-------------|-------------|-------------|-------------|-------------|-------------|--------|
| aaccgtcagg | ctcagaggca | ggatggcagt | gatgtgtttt | ggggcacaag | gccccctttc | 153420 |
| attaaagcac | caaattctgt | actaaaaaca | gccctctgct | ctcgatctgc | agagatacga | 153480 |
| gagaggcaca | catagcttcc | gggcccttgc | cctctgctct | cccggtcagt | tccctggactc | 153540 |
| ctggggagaag | cttgaagctc | aagaactggc | cgctgttgcc | tttgtgctga | cgccagaacc | 153600 |
| agcagctatt | cagcagctgc | ggctcttggg | caagcttggg | agtagctcgt | tccttctcct | 153660 |
| tctgcagggg | aaagacaagg | agatggcact | gagctgggta | gccaggatgt | gggaagtaaa | 153720 |
| tttgttctat | gtgggtgagg | gaagtgccgt | gtgtgtgtgt | gtgtgtgtgt | gtgtgtgtgt | 153780 |
| gtgtgtgtgt | gtgtgacaga | gacagaaagg | gagagtgcct | gttcttgtgt | gttcttgtga | 153840 |
| gtcagtgtct | cctttggctc | ctcctgccaa | aaagcatgct | gtgttctcag | agtcaagctt | 153900 |
| ggccaggctc | gcccacccca | ccaaagccca | ggatctgcca | ccccattaag | aatgcggggg | 153960 |
| taggaaataa | aaaacagggt | tcttgtccaa | gagaattttt | attattattt | tttctctctt | 154020 |
| aattggattc | agcatttctt | actcctcagt | atcctctctg | gtaggggaatt | caggctgtgc | 154080 |
| tatgcagagc | acaagagact | gtgcttgcca | gaaacccttg | ggccaacagc | cctattccct | 154140 |
| gactgggctt | gcctgcaggc | tgcttctcgg | gctgaccctt | gagtctggcc | ctctgacctc | 154200 |
| tgcccgctct | ggggctcatc | aggaggagca | ggaccactgt | gatacagggt | tcctgagatg | 154260 |
| gctactgaaa | caccctcatc | tgctaaggcc | actagatttt | tttcccactg | ccagactact | 154320 |
| cagggccctc | agtaggtcac | tggccaaaga | gcctagatgt | taaaactgca | gctaaagcct | 154380 |
| ctcctgaggc | cagagctcag | agcctccctg | gcctgcacaa | agtgtcaaga | aggacattgt | 154440 |
| ccatccaacc | cattggacta | acactgtaga | cgctgccttg | tctgccagct | tgaaaacccc | 154500 |
| agaaacctct | tccccagctc | cgcctagctt | gcctccagca | ccctgacatc | cacttctctc | 154560 |
| gctaattgtct | gcagcttcta | cagtaggggg | gacgggggtg | tccgggggtg | cagacaggcg | 154620 |
| tgtgttgcat | ataaaaacga | ggtgatgttc | taagtattcta | agaatgttgg | tccccggaag | 154680 |
| tgattcttgc | tgttctctct | ccttcccagc | tcttcccact | gacacctttg | ccccagcaa | 154740 |
| gcccagggac | tattgttgct | ggctgggggt | ctgaacaaaa | ttgccgcagt | tttttgtttt | 154800 |
| tttttttctt | gctagaagtt | accgatacag | tccttaattg | agcaaataata | ggttcccgtg | 154860 |
| tagtttataa | acatgataag | acatacagtt | tggttaaggag | tggttggggg | gacctgtgca | 154920 |
| tttatatatt | tatatatata | tatatattat | gtgggtgtgt | gggcagagtg | aggatatata | 154980 |
| taagtggaca | taggtataaa | actgcacctt | ctgtgtgact | ctcattgcga | gtacagttct | 155040 |
| aaatgtcatc | cactggcgat | ctctcctttg | gtgattgggt | cttggacccc | agcagggtctg | 155100 |
| ccggggggctg | cctgagacgt | caggaatgag | aggcattacc | cccatggata | gggactgagg | 155160 |
| tgggcatagg | gttggacagg | gcagggtaac | taagtatctc | cagacaagag | ccaagagtgc | 155220 |
| tctgagattg | ctgggtgccc | cagctggctc | tgggagagcc | ttgttctgag | tcctgtctct | 155280 |
| tccaaaacca | gcagggtcct | tcagcccttc | tctccaaatg | accaggcttc | cgcagagccc | 155340 |
| agcttcttca | aggggcgcat | gtcccgacac | cactaatgac | tcactttgcg | tgcccttgac | 155400 |
| cactgtgctg | gagtggatac | ggtccagagg | cgctcgggtc | ggacagccga | gtgagacgtg | 155460 |
| atacccttcc | cgtctacggc | tgtacatttt | gggcttataa | tccaccagga | aggggtccaga | 155520 |
| cgggtggctga | aggcttcagc | agccttttcc | tgaaacccag | cagatcttcc | acttaggaaa | 155580 |
| aaaaaaagaa | agaaagaaa | aaaagaagaa | aaaaattctg | ttccttgctg | gacatgtggc | 155640 |
| agtgtctgggt | gacggagccc | tgggtcctca | gcggagagtg | actgccagcc | ccagtatcca | 155700 |
| ggccaggagt | ggggcccca | gggcccgtgc | tgaggatgcc | tgctgcaccc | cactgggggc | 155760 |
| acggatgggg | gctctgcgag | cacacttgcc | cttctctctg | ggctcgtgcg | tgggcatgat | 155820 |
| gtcaaagctg | aacttgtgct | gatagtccgg | ggcatagtcc | tgcagttcgg | taagctcttt | 155880 |
| cccagagctc | accttagaga | tctggttccg | gttctctgtg | ctggtgcagt | tcttgccctg | 155940 |
| cttcttgtaa | cctgacctgg | agccaggcgg | atggccatgt | gggtggcctt | tgtccctgga | 156000 |
| ggccccatgg | gacggatggg | gctccttgcg | ggcagccctg | tcagaggtgg | taagcgtgtg | 156060 |
| agacttgatc | tggtgaggag | acactgggtc | tgtgcagttc | cggaaagtcct | ccaccctcag | 156120 |
| cagcttcaga | tcctggcctt | gccgcagctc | gggggtcgcg | caggggacag | cagagctaga | 156180 |
| gccacggaac | cttcgcagcc | attcccacag | ggaacgtgcc | cggcagccac | agtcccaagc | 156240 |
| attcccattg | aggcgaaagg | actccaaggc | caccaggggg | gccagacagt | caccctgcag | 156300 |
| ctcagtggag | ctggttgtga | agagaaagag | gggtggttagc | ctgtggagggt | catggaaagc | 156360 |
| cttgtgggtg | accactgtga | gctggttctc | atgcagcagc | aaccgggtcca | ggttcaccag | 156420 |
| gccccggaag | atgccttggc | ccaggctcca | tagcttggtta | ccatggagaa | acaagtgact | 156480 |
| gagattgacc | aggtccacaa | agatgtcatc | ttggagggtac | tcgatatggg | tgtcctgcaa | 156540 |
| gtagagatac | tgcaaggctg | gcaggccacc | aaagatgcct | gcgggcaggg | cgctcagttc | 156600 |
| acacttatag | aggtagaggg | cgtgaagctt | caccaggcct | tggaaaggtct | cgggtgccag | 156660 |
| cgttcgcagc | tgctcggttg | ctccaaggct | tagctcctcc | agatgcacaa | agccctcgaa | 156720 |
| ggtgttgagg | gcaatgaaa | tgatgttggt | ggagtatagc | cagagggtga | ccatggcggg | 156780 |
| gctgaagtgg | ccctgtcggg | ggaagggtgat | gcgattgttc | tgcaaggaga | tgcgctcact | 156840 |
| gtcctctcgg | atgcctccg | ggatggcagc | aaagttgtgt | gcctggcagc | tgacagtcac | 156900 |
| gggcgagggg | tagcacacac | agtctcgagg | acaaccacca | cccagaggta | gctctccagc | 156960 |
| gagcagcaac | agcagcaatt | ccacacagca | ccctgggtggg | gagagacaga | acagcagtga | 157020 |
| ggggctgccc | agaggagggtg | gagatagatg | gggaacagag | ggtggaatgg | gggactggca | 157080 |

| | | | | | | |
|-------------|-------------|-------------|-------------|-------------|-------------|--------|
| aatgactctg | ttggctcaca | gagggttctgt | cctctgtatt | gtatgcaggg | gtcccttggg | 157140 |
| cagggcattt | ggggccaagg | cccacattat | ctcctcacct | ctttagctct | gtccctaaag | 157200 |
| tctctaattc | catccgaaca | cttcttcaga | ctgtcagccc | caccgcaggg | tggaaacacac | 157260 |
| ttgtgaacac | aggcgagtcg | gcctccggcg | ctgggtccgg | ctctgccact | cgctcactgt | 157320 |
| tagctgcctt | agcaaggaat | gactctaaca | aagcaaattct | ggagtcctga | atgatcactt | 157380 |
| tatttaaata | attcctcaaa | ataaagaaag | cattgagtcc | atggtaccaa | agcatgcctc | 157440 |
| aataagcgcc | tctttcacac | tgtggtacaa | aaacttcaaa | cctacaactc | ctccatggct | 157500 |
| gtttcctcat | gagttaaaca | cagttcacag | ggctgtgtgt | acagacaagg | cacatttctg | 157560 |
| tgaggggctg | tgagtgcacac | cagggctgac | gcacgaggct | tcccttgggg | ttcacagtac | 157620 |
| tgccagatcg | aggctgcatg | ctcctctccc | ccattcacac | ccccccctcc | tgtgctggag | 157680 |
| attgccaggc | tgtggctgta | aaaccggggc | ttgcctcttg | actgtccaga | gcatttcttc | 157740 |
| tgtagcttcc | ctctaattgg | gcattaatta | ggcattcgct | aatggatcct | taaaataatt | 157800 |
| atthttcggt | gtgtccagcc | tgtggtcggg | taataggcct | atgctcatta | tgggaagccgc | 157860 |
| ctcattatgg | acgattgtca | ttacctgcct | ttttccaggg | tcacagctgc | cccaagtggc | 157920 |
| ccagcaggcg | cgtcaggaag | atggggacag | gctccaggcc | tacggggcgcc | caccctgaag | 157980 |
| ggccaggcag | ccacgacctt | tgtgcctca | gttggcctct | tgccccctct | tttccagctt | 158040 |
| gttcagctgg | gactcttggg | agagccaggg | cccctggggg | aatatgagct | gagctgaatc | 158100 |
| ttcttgctgc | tagctgtgct | cagagcaagt | ggaaggagca | gggaccttct | gaccaggctt | 158160 |
| cccacttggg | gtcccaggcc | cagggactgc | ccaggccccg | gcagagtagg | ttgccacctt | 158220 |
| gacttctgac | gccccccccc | cattcccaac | agaaacagca | tcgtaagttg | acagctccca | 158280 |
| gctgttggga | gttatgggct | cccagagagt | ggcagctgct | tctcgctcct | gtaatcacc | 158340 |
| ggcttcagct | agaattgttc | tagcacataa | aaatcatcgc | atataattta | gtttttgcat | 158400 |
| aattgggttc | agtgtgtgatt | tcagagcaat | tatgacctca | gcagcagggg | tggcacagca | 158460 |
| taggacctct | ttctggggcg | ggccatgccc | tgcaggccct | ctgcagtgtc | ttctgcccac | 158520 |
| cggcccttag | acagcatgca | ggctataacc | atctctgcct | caatttctctg | ctccaaaacg | 158580 |
| tgtctagatg | ttactctgtc | gatcttcttc | ctcagcatcc | tgggtgtggc | ctccagcctg | 158640 |
| ccagcctctg | tcctagggat | cctgtgctgc | agagggaggc | acagtcggag | ggaggggagc | 158700 |
| ctgcccctgtg | ccaccagcac | tcacactggc | tgcacagtcc | acagaccac | agctccaacc | 158760 |
| tccttgcttg | gcttgcaacc | tctcttccag | gaaggccatt | cttgccagaa | ccttttccca | 158820 |
| cggccccctg | ggaaagcctg | gactctaggt | tcaaggacat | tcagtatgct | tgccccacat | 158880 |
| tttatgctgg | atgagacaca | gcagagcctt | cttcactggg | gggtcctgtg | aaaatgaaag | 158940 |
| cttttcttcc | ccggcctgca | gctgcaggca | ggtaggggtt | gcagtgggct | tatcactaat | 159000 |
| accattcgac | atthgtacag | ctcatcgagg | tttacagagg | gcttttgttg | taccctcaac | 159060 |
| ttccccctgtg | ttctcccacc | tactgtggct | gctctgtctc | tgtgcacccc | aaaagaattct | 159120 |
| ggaagtcctt | tggggagatt | acccccctta | catagggggc | tccaaggaat | acaggctaca | 159180 |
| gctctatttta | ggaaaaaaa | aatcaaaactg | aaccaaaacct | caggtgtgga | cttagtaacc | 159240 |
| agttttataaa | cataccgtgg | caagtggagg | aggcaggcg | cagaacggca | tgaaggtagg | 159300 |
| actggggttt | tccctctaaa | agggcaatgg | ggggacaaag | ggactctagc | caagacctga | 159360 |
| tgcagaacca | ggctcagttc | ccctgttatc | tcaaggctat | catcactagg | aggcctaagg | 159420 |
| caatggacca | caaggacctt | gtccttgtag | gacagtcact | tcctgcagtg | aagtgcctct | 159480 |
| ctggaagcat | actaatagga | tgtaggtcca | ggacagctgg | tctctgtcct | ttagtatttt | 159540 |
| tcacatgcc | agggatgtta | accttccaag | cctccatctc | ttctaattggg | gggggggtgt | 159600 |
| tgaggggctc | agccactctg | catccatgtc | tttgaaagcc | agtggattta | ctccaggacc | 159660 |
| ctgagcaagc | tgtcctagtc | agccctggcc | acttctggac | tccttgcttg | agtcagtagg | 159720 |
| tgccaatcct | aggattgtca | ccagcaggtt | tcttccctagg | gaggcaagca | ctgtatcacc | 159780 |
| atggcgcctt | ctatgcccc | tctatgaggc | ccttggggagc | ccgccccac | tgattgcttg | 159840 |
| attaatgtac | caacaatgag | gatggagcct | ttgccatgca | ttttaacatt | gcaaattagc | 159900 |
| aggaatccaa | gtctctgtgg | aggggcccctg | cacctcttct | gccagactca | tcaagcgcct | 159960 |
| cttgggacag | gctgccttct | acttgagggg | gcggaaggga | gaagaccag | ttccactctc | 160020 |
| cttccccctc | aggaggtgcc | cttcacatgtg | ttctgcttcg | ttactctcaa | gcctccggcc | 160080 |
| tcccacgcac | gtgagctccc | aaggggctct | acagcctccg | tcattccttc | ttccattcat | 160140 |
| acttgcccc | tagtctagga | gagccatgga | agacagtgtg | ggaagggtct | gacaatgagc | 160200 |
| atcatgcccc | atthgcatat | gcggtggcaa | taccctgggtg | ggtaccagga | gagtatagg | 160260 |
| gaaattaaga | gaggggccta | aggaaagcct | ctgctatccc | tgggctacca | gtcagcattg | 160320 |
| cttgggtcact | gatccccctct | gtaacaccag | cccttctgca | acctgccaga | gtttttgacc | 160380 |
| tttgaactag | ggctgagaag | ggtctgctct | gttcagctgc | cttggctggg | aggggaatct | 160440 |
| gctcagacct | cagcacacac | tcaacagaag | gcatgcaagc | aaggagagcta | gcagtgccct | 160500 |
| tgggtcagct | ggcaagcccc | aaactcttcc | tgccaagctg | agcatgaaaa | gccacctcac | 160560 |
| catggtccca | tgggaccaga | cctggtagga | taggtggcaa | ggctaaggca | gcggaatagc | 160620 |
| atgtgcaaag | gcactggggg | gggaaagggc | ctgtgcttct | cacccccctct | aatgggtgcag | 160680 |
| agcctccaag | gaatactgta | acctcagctc | agctgggctc | gggtggccag | agagcttggc | 160740 |
| accagaacca | gcatcaacag | ggcctgtctg | ctaaaccag | acctcacaag | ccagtttagt | 160800 |

| | | | | | | |
|-------------|-------------|-------------|------------|-------------|-------------|--------|
| aggggcccctg | tagcaccctg | gccaccagaa | ctaacgagga | agatctgacg | ctgggaatat | 160860 |
| gtctttaatg | aaaagccctt | cgggaagcca | catttgacac | gaagaaaatg | aggtgcccag | 160920 |
| agcatcagtg | ggctggttgc | agctggagaa | cacagcaggg | ggacaggtcc | taccaagcta | 160980 |
| ccctgccttc | aggctggggc | tctagcccagc | tccctgatgc | ctggagtagg | taaagcagcc | 161040 |
| tcgaaatggg | ctgggtcagc | tttttcaggc | tccaaagggt | caggacagct | gctgcagctt | 161100 |
| agcacccaag | ggggctgccc | ctctacccct | aagtagaggc | atccccatgg | cccctgggca | 161160 |
| ggtcagtggg | tctctctgaa | gctttgtagg | ctgcttcttg | gccatgtagc | caatctctct | 161220 |
| ggccttcagt | cctccctccc | tgcccccagc | ctggccagct | gctcttctct | gagcaatcga | 161280 |
| tgtaaacga | atgctctctt | gctgtgggga | tggcggcctc | aggccaggcc | agctgcactc | 161340 |
| ctggggctgc | tggcgccctca | ggccacttgg | cacttgtgcc | acttgtgttc | taaacacagg | 161400 |
| ctccttccctg | gctcggccct | gaagacaaga | aagctggcca | gggaacagct | gggctcccat | 161460 |
| ctcagcctcc | actgctgtgc | agagcggccg | gcagcctcct | atccatggct | gtgagttagaa | 161520 |
| cagggtctgt | gagccagagg | cctaagttga | atcctggctg | ctccttttaa | tgcttgccagg | 161580 |
| agcctcgttt | tcctcacctg | caaaatgggg | cagtcattgg | aagctcagcc | agtcctccag | 161640 |
| cccacagata | ctggtaacca | cctgcccttc | ccacatctcc | atctgtctaa | ctgaaaccat | 161700 |
| ccaaaccaag | ctcttctctt | cctctccggc | ctcctccgtt | cacaacttct | ccatcttggg | 161760 |
| taaagatggt | ccctttacat | cagctgcctg | ggaggaacac | ctcagaatca | ccgtggctca | 161820 |
| ctctggggaa | attctgctgg | ctagatttta | gaatgtatcc | agtatctatc | cacttatcat | 161880 |
| actcgctatt | gctaccattc | accagtagc | ctcctggatg | ccctcccccc | ccccccgcaa | 161940 |
| gccctgcctc | ctcaccctta | cacctccttc | aacaggaact | agggtagtcc | agggaaagtg | 162000 |
| agtcaggaag | ggctgctcct | tagtctgcac | cctccagagt | gcccactctaa | ctagaagctg | 162060 |
| ccccaggtct | ttctcccagc | ccagaggccc | tgctctcccc | tggctacaca | gaccttgctg | 162120 |
| ccgtccctcc | cacatcccag | ccctcagcct | ccctcctgcc | tttgtccatg | ctgttccatc | 162180 |
| tacctggacc | ggttcccagt | gtgtctgcag | ggctgcttcc | cagagaagcc | actcttgagc | 162240 |
| agcgatttgc | aaggagcttc | tttcctggga | cattttactc | tacagcacgc | gacctcttgg | 162300 |
| acagcacgac | ataagtcact | tgtttccttt | atgtccgctg | ccactttgtt | ctgatgagtg | 162360 |
| tgctccctgc | acacagtagg | tgctcattaa | cagttctggg | ggaggggaatt | accttctcaa | 162420 |
| gtctctggag | aattgaatga | tgacactcag | gaagccctag | gctcaagcct | ggggcctgga | 162480 |
| tcatagtagg | tgctcgataa | atgttggttg | taattagtcc | tgggagactc | agagccttca | 162540 |
| ggagaacaga | cacctgaact | tggctcacat | caagactcct | taggcccac | aaggaaagtga | 162600 |
| ccgtttgttg | gatgagcact | ctgagaagga | cccaatacca | gtcctttcct | gggcaagggg | 162660 |
| aaatagactg | ggactggggg | gtttcccaag | tgatgggatt | ttcagcacta | aactggaata | 162720 |
| atgctaaaga | aaaaaaaaag | ttagtcactc | taaaaggggc | caggacacaaa | acctttcaaa | 162780 |
| cagaaatgtc | tgggtttatg | aagagaggaa | gccagatatg | gtggggcaca | tctttaatcc | 162840 |
| aggtgcttgg | gaggcaaaga | cagatggagc | tctgtgagtt | tgaggccagc | ctattctaca | 162900 |
| aagtgagttc | taggacagcc | aaggctacat | agagaaaccc | acttgacttg | ccacccaaat | 162960 |
| taaaaatctt | agtgggggag | cagtcaagga | ggaaacacac | acacacacac | acacacacac | 163020 |
| acacacacac | acgttagtat | aatatcatac | tatggctctg | tgccctgcagt | ccaggaatga | 163080 |
| gggctgaact | cagagtgtta | gtgtgtgcta | gtggatattt | gagctctgta | tttatgtgca | 163140 |
| tgtctgtgta | gatgtgtacc | tgaggtgttt | atgtgtacac | aggtgttggc | ctgtgcata | 163200 |
| tggatggaga | catggttggt | tttgctaggc | atctgactgt | gtctgagttc | atgcacataa | 163260 |
| actcacatct | acctctggag | actgagagtg | acaaccagg | gccccttttat | cctgcagcac | 163320 |
| cccaggccca | gcaccccgac | ccagcatccc | aggcccagca | ctccagaccc | agcacccag | 163380 |
| gcccagcatc | ccacgcccag | catcccaggc | ccagcacccc | agacccagca | tcccaggccc | 163440 |
| agcacccag | accagcacc | ccaggcccag | catcccaggc | ccagcacccc | gacccagcat | 163500 |
| cccaggccca | gcaccccgag | tccaagcact | caatgcccag | caccccgacc | cagcatccca | 163560 |
| ggcccagcac | cccaggccca | gcatccaagg | cccagcatcc | cagggacagc | accccaggcc | 163620 |
| cagcatccca | ggcccagcat | cccagggaca | gcaccccgag | cccagcatcc | caggtccagc | 163680 |
| atcccaggga | cagcacccca | ggcccagtat | cccagggaca | gcaccccgag | cccagtatcc | 163740 |
| cagggacagc | accccaggcc | cagtatccca | gggacagcac | cccaggcaca | gtatcccaca | 163800 |
| tggaggcagc | acatactgaa | gatagggaat | gtctctgagg | cctcttatct | tggtccttac | 163860 |
| cctcattgct | ttcagcacct | gctctcctca | cactcggaat | caaacaccct | gtgcaggttc | 163920 |
| tcccagtagc | aggattcccc | tcagctgagg | aatgggtagc | taccattttg | gcttttgtct | 163980 |
| gtctgggggt | ggcagcccca | tgctaatttg | actgacagtt | tctcctgaga | gcaatttggg | 164040 |
| cagcacatcc | tgcccattag | gcctaacctt | gcctgcaggg | gtgtgctgta | ggggcagggg | 164100 |
| tggagcctac | cctgtatagc | tctgtattga | ggcactcccc | caagctatga | cccatgccag | 164160 |
| tgggagtcac | ttcacctagg | caactccaga | tgggcacaaa | aatctctcca | ataagggtag | 164220 |
| gtatgggaat | aggtaaggag | agcatagtga | gcctggctgg | gcacctgaga | cctgagcagc | 164280 |
| ctgcacggga | gattgtgtca | ctgtgggtcc | agactgccaa | gacatcttgg | ctttcacccc | 164340 |
| aactcagga | ggtccagaat | ccagagctct | taagagagca | gatgctgaga | ggcacttaac | 164400 |
| ccagggttaa | gaccttccct | tggacggttt | cttggtcttc | tactctgtcc | tctgtcccag | 164460 |
| tctgtcatcc | ccatctgtgc | ctaacagctc | tctgtggaaa | acatgaggcg | tatgagctct | 164520 |

| | | | | | | |
|-------------|-------------|-------------|-------------|-------------|-------------|--------|
| ctactttctcc | cagcatccca | tgcccgcacc | ccagctcact | gtgtgccctc | atgttactca | 164580 |
| aatctttctgc | taggttttgag | ggccccaggt | tgaggctgtg | ggtttccctc | catctgtccc | 164640 |
| tccctttttac | caccaccact | aatcctcttc | ctcctcttcc | tcctcttctc | cctcctctcc | 164700 |
| tttctnncn | nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | 164760 |
| nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnna | caaaggacgc | 164820 |
| aaattgaact | tacagaggaa | acacaaatga | gctgtaatga | cagaaaagga | atactatttc | 164880 |
| ccttgtgatc | agaaagctat | agattaaacc | ccagcccttt | ttgcctttgt | ttttcatatt | 164940 |
| tagtggttct | ggggactgaa | cccaagggaag | gacagctgct | tggaaatggtg | gagacctctc | 165000 |
| aggcattgct | tatgctaagc | tgacaaaaggc | tttctgaatg | catatggtag | tatctattca | 165060 |
| tcttaagatg | cctataacca | tgggtggagc | aattctctaa | gagtctgtct | gaacttctta | 165120 |
| agcatgtgct | caaaaaacaca | cataaagatt | gtttactgaa | gcagtatttg | caacagtga | 165180 |
| acaaaaccaa | acaacaacaa | aaagtactta | atagctcatc | agtaggaaaa | agaacaacaa | 165240 |
| attgggacac | atttatacta | ttctcgttct | atcacacgac | tattaagaag | attaaggtgt | 165300 |
| gaggatgaaa | agcccctgca | gaacaacgca | cacaatgaaa | ttgaatagag | aataaagaaa | 165360 |
| aaaatatata | gtgtattttat | gtaaaacata | cataaacaca | taaaaagaat | agaaaactct | 165420 |
| ttgactgtat | atctttgaaa | agaaccagca | gagtgtctatg | gtttataaat | gaaaagttcc | 165480 |
| cccaaaattc | ctgagttgga | ggttcaatgc | agagttcata | ctcttaggaa | gtaactaaat | 165540 |
| caggaatgct | ctgatcta | caatggattg | accaactgat | agattaataa | tctgaaggca | 165600 |
| acacttccag | gaggcagaaa | caagggtgagg | cctaactgga | ggaagtttgt | caccagaggc | 165660 |
| atgtccttgg | agaggetacc | tcactccttga | tccttccctt | tctccgcttc | ctggctgtaa | 165720 |
| aagtattttat | ttgactgatg | taactgtcat | cttggaggct | tactggctcc | atcagctaac | 165780 |
| ctaggcctag | ccctggaagc | ttctagcttc | catacaatct | aatccaagcc | tagaattgttc | 165840 |
| cagcctttag | gacttgctgc | tgagatcacc | gtttcctgtt | ctttctgaac | tctagctggc | 165900 |
| tgattcagtc | cccctgttcc | gggctcaaac | tcctctcccc | gatgatttta | ttcacaatct | 165960 |
| gtcttttctc | ttggcctctg | aattgctctg | cttgggtctca | aactaactct | agcaatcttt | 166020 |
| tctaactctct | tgtctccttc | acactctctt | gcttgttctg | tctttactgt | gtctagtttg | 166080 |
| ttctctcttc | catccttctc | tgtaaaagctc | tcccggtaaa | cctgcctcct | cctccccctc | 166140 |
| tgtgccgctc | tactctccct | ctcagctcta | ctgcactgct | ctccacagct | ctcctgtatc | 166200 |
| ctgtgctgca | ctctcttctc | cggtagccacc | tgtgtctccc | ttacgtagct | tccctttctc | 166260 |
| ctctcttctc | ctgagggttg | ggcagatcct | atcctgtcaa | acctttctct | gattcttccac | 166320 |
| tttgtctgcc | actcaattag | acatcacttt | caagcaggag | tgcctcctct | acaaaccaac | 166380 |
| tttaccttca | ttgtttcaaa | ttaaagggtga | gtactaagggt | tggtgtctctt | tttcagccag | 166440 |
| tgagagtaaa | gatgtgtgct | aataaggctg | agccaactct | agctagaaat | agtttctttt | 166500 |
| tctccataaa | taacagaatc | ttagggttca | caatacgatc | aaatatcctg | agacagctgg | 166560 |
| ctgccatgtg | gtgaagagaa | tgcaagagag | taaggatgtg | ctcttgagggt | ttcagatggg | 166620 |
| aataagcatt | ttcttgaggag | ttggattaga | gtcattcctg | tgacactgtg | acaaaggact | 166680 |
| cgactacatt | ttgccatgcc | ttgagactgt | ggagggtgga | gcgatggatt | aatacactgg | 166740 |
| agtgaatttt | aaggcagcca | aggctgtggt | tggactgtta | ctagctacgt | ttagctggat | 166800 |
| ttatattaag | aattgggaac | aaaaaagcag | agtagaaaag | acagtttttg | cagaaggagg | 166860 |
| tttcttccata | tacaacttag | tttttatagt | tagcttttta | tgttgctatg | accaaaatac | 166920 |
| cctatggaaa | ctgaagaata | aaaattttta | ctgaactctt | cttcacccca | gaacccgacc | 166980 |
| cctcccactct | agagattggt | cccggaacac | tcctgaactc | ttcaccccag | aatgcttttc | 167040 |
| tgaactcctc | accctagagt | tcgaaccctc | ccaactaaaa | actgttccaa | gaacattttt | 167100 |
| gagataaggg | cctcctaaaa | caacctcaaa | atgaaccggg | tacattgcca | aataatagga | 167160 |
| catgaccctc | tagttacgta | gattcccttg | gcagaacccc | ttgtcccttg | acagaacccc | 167220 |
| ctagtgatgt | aaacttgtac | tttccctgcc | cagctctccc | cccttgagtt | ttactatata | 167280 |
| agcctatgaa | aaatttggtc | ggtcgtcgat | tctcctctac | accactagggt | gcatgagttt | 167340 |
| cgaccccgaga | gctctggtct | atgttccatg | tgctttcttg | ctgttggtct | attaaatctt | 167400 |
| gccttctaca | ttttgagtac | ggtctcagtg | tcttcttggt | tccgcgggct | tcccggggct | 167460 |
| tgagtgtctg | agtgagggtc | tcccttcggg | ggtcttctcat | tttgggtgcat | tggccgggaa | 167520 |
| acagcgcgac | caccagagag | tcctagaccc | acttagagggt | aagggttctt | gttctgtttt | 167580 |
| ggtctgatgt | ttgtgttctg | tttctaagtt | tggtgcgac | gcagtttctg | ttttgcggat | 167640 |
| gctcagtgag | accgcgctcc | gagagggaac | gcggggtgga | taaggataga | cgtgtccagg | 167700 |
| tgtccaccgt | ccgttcaccc | tgggagacgt | cccaggaaaa | acaggggagg | accagggacg | 167760 |
| cctgggtggac | ccctttggag | gccaaagagac | catttggggt | tgcgagatcg | tgggtttgag | 167820 |
| tcccacctcg | tgcccagttg | cgagatcggt | gggttcgagtc | ccacctcgcg | ttttgttgcg | 167880 |
| agaccgtggg | ttcaagtccc | acctcgcggt | tggtcacagag | atcgtgggtt | cgagtcccac | 167940 |
| ctcgtgcaga | gggtctcaat | cggccggcct | tagaaaaggcc | atctgattct | ttgagttgct | 168000 |
| tgtggtcgac | gcagagtcgc | cgccgtttct | ggtttctttt | ttgtcttagt | ctcgtgtccg | 168060 |
| ctcttgttgt | ctctactgtt | tttctagaaa | tgggacaatc | tgtgtccact | cccccttctc | 168120 |
| tgactctgga | gcattggaag | gaggtgcggg | tcagagccca | caaccagtcg | gtggaagtca | 168180 |
| gaaaggggtcc | gtggcagacc | ttttgcgcct | ccgagtggcc | aacgtttaga | gtaggctggc | 168240 |

| | | | | | | |
|-------------|-------------|-------------|-------------|-------------|-------------|--------|
| cacctgaggg | tgcttttgac | ttgtcactaa | tcgctgccgt | caggcgaatt | gtttttcagg | 168300 |
| aggaaggggg | tcacctgat | cagatcccc | acattgtgac | ctggcagaat | ctcgccaat | 168360 |
| ccccacctcc | gtgggtcaag | cettggaccc | caaactcttc | gaaactgacg | gtcgcggttg | 168420 |
| cccagtccta | tgacgccgga | aagtctggcc | catcagcacc | ccccagatc | tatccagaga | 168480 |
| ttgacgacct | cctctggata | gactcccaac | ctccccctta | ccccctgccc | caacagccac | 168540 |
| ctgcagctgc | cccaccacag | ggaccaatag | cgagaggggc | tcagggaccg | gcgggggaga | 168600 |
| ctcggagtcg | ccgaggccga | agccccgggg | aggaaggggg | gccagactca | acagttgcct | 168660 |
| tgccactcag | agcacatgtg | agagggccag | caccaggacc | taatgatctc | attcctttac | 168720 |
| agtactggcc | tttttcctct | tctgatttat | ataattgaaa | aactaaccac | cctcccttct | 168780 |
| cagagaaccc | ctctggactt | actgggctcc | ttgagtcact | tatgttctcc | catcaaccca | 168840 |
| cttgggatga | ttgtcagcag | cttttgcagg | ttctttttac | aacagaagaa | agaaaaagaa | 168900 |
| tcctcataga | ggcgagaaaa | aatgttcttg | gagaggacgg | cacaccact | gccctcccta | 168960 |
| acctcgtgga | cgaggctttc | cccttgaacc | gccccaaactg | ggactacaac | accgcggaag | 169020 |
| gtaggggacg | ctcccttgtc | tatcgccgga | ctctagtggc | aggtctcaga | ggagccgcta | 169080 |
| gacggcccac | caatttggct | aaggtaagag | aggtcttgca | ggggcagact | gaaccaccct | 169140 |
| cagtcttctc | tgagcgtcta | atggaggcat | ataggagata | cacccttttt | gacccttgt | 169200 |
| cagaggggca | gagagccgct | gtagccatgg | ccttcattgg | tcagtccgct | cccagacatta | 169260 |
| agaaaaagct | gcaaaggctg | gaggggctcc | aagatcatac | gctccaagat | ttagtaaaag | 169320 |
| aagcagaaaa | agtctatcat | aagagggaaa | cagaagaaga | gaggcaggag | agagagaaga | 169380 |
| aagaaataga | ggagagggaa | aatagacggg | atcgccgtca | ggagagaaat | ctgagtaaaa | 169440 |
| ttttggccgc | agttgtgaat | gatagacagt | caggaaaaagg | taaaataggg | ctcctgggca | 169500 |
| acagggcagt | gaaaccgcaa | ggtggcaaaa | agataccact | ggaaaaagac | caatggcgct | 169560 |
| attgcaaaga | gaaaggacac | tgggctagag | attgccctaa | aaagcgggag | cgatccaagg | 169620 |
| tcctaaccct | agaagatgat | tagggaaagtc | ggggctcaga | ccccctccct | gagcctaggg | 169680 |
| taactttgtc | cgtggagggg | actcccgctc | acttctgat | agacaccgga | gcagaacatt | 169740 |
| cagtactcac | taaccccccta | ggcaagctag | gctccaaaaa | gaccatggta | attggagcca | 169800 |
| ctggtagtaa | atttttacccc | tggacgacca | aacgagctct | tcagatagac | aaaaatatag | 169860 |
| tgaccacact | ctttctgggtg | atacctgagt | gccctgctcc | cctcttgggg | cgcgatctgc | 169920 |
| taaccaaact | aaaggctcaa | gtccaattta | cttcagaagg | cccacaagta | agctggggaa | 169980 |
| aggccccgtg | tgccctgcctt | gtcctcaaca | cagaaaaaga | gtaccgggtg | catgaagaac | 170040 |
| aacccaaaaa | tgcagtcctc | tcagggtggc | taactgcgtt | ccccaatgtc | tgggcagaac | 170100 |
| aagcaggaat | gggggttggct | aaacaagtgc | ctccggttgt | ggtagaactt | aaagctgatg | 170160 |
| ccacccccat | ttcggtaaaa | caatacccca | tgagcaagga | agctagaaaa | ggcatccggc | 170220 |
| ctcatatcca | gaggttgctg | ggccaaggag | ttttagtggc | ctgtcagtc | ccctggaata | 170280 |
| caccacttct | gccggttcaa | aaaccaggga | ccaatgacta | tcgcccggta | caagacctcc | 170340 |
| gggaggttaa | caaaagggtc | ctggacattc | acccacagt | cccgaacccg | tacaatttat | 170400 |
| taagctctct | cccacctgag | agaacatggt | atacagtcct | agacttaaaa | gatgccttct | 170460 |
| tttgctgctg | tttgcacccct | aagagtcagc | tcctgtttgc | ttttaaatgg | agggacccag | 170520 |
| agggcgggaca | gactgggtcaa | ctaacttgga | ctaggctacc | acaggggttc | aaaaattccc | 170580 |
| ccaccctgtt | tgacgaggcc | ctccatcggt | atcttgcgct | ttttcgcgct | cgaaaccctc | 170640 |
| agcttaccct | actacagtat | gtagatgata | cttttgctgc | ggcggcctcg | aaggagctgt | 170700 |
| gtcaccaggg | aactgagagg | ctcctcacag | aactgagtga | cttgggggtat | cgagtttcgg | 170760 |
| ctaaaaaggc | acaaatctgt | caaactgagg | taaccttctc | ggggtatacc | ctccgagggg | 170820 |
| gcaaaagatg | gctcacagag | gcccggaaaa | agactgttat | gatgatccca | tcgccaacta | 170880 |
| ccccacggca | ggtacgtgag | tttctgggga | ctgctggctt | ttgtagactc | tggattccag | 170940 |
| gctttgcaac | cctagcagca | cctctatatc | ctttgactaa | ggaaggggtt | cctttcaagt | 171000 |
| ggaaagaaga | acaccaaaaga | gcttttgagg | ctatcaagtc | gtctctaagt | actgccccca | 171060 |
| cgctagcatt | accagacttg | actaagcctt | tcgtcctata | tgtggacgag | agagcgggtg | 171120 |
| tagccagggg | agtattgaca | caagcactgg | gaccttgaaa | aagacctgta | gcctatttgt | 171180 |
| caaaaaaatt | agatcctggt | gctagtggat | ggccccactg | tctgaaagct | attgcagcag | 171240 |
| tagccctgct | gatcaaaagt | gctgacaaac | tgacaatggg | acagcaggtg | accgttgtag | 171300 |
| cccctcatgc | cttagaaaagt | atcgtgcgac | agccacctga | cagataagat | gacaaatgcc | 171360 |
| cgaatgacac | actatcagag | cctgctgcta | aatgagcgtg | taacctttgc | gccccctgcc | 171420 |
| atcctcaacc | cagctaccct | tctccctcta | acaaatgatt | ccgtcccagt | acatcaatgt | 171480 |
| atggacatcc | tcgctgaaga | aactgggacc | agaagtgacc | tgactgacca | accctggcct | 171540 |
| agagctccca | gttggtacac | ggacggcagc | agtttctctga | tagaggggaa | gcaaaaggct | 171600 |
| ggagctgctg | tggtagacgg | gaaaaaggta | atttggggcaa | gcgctttgcc | tgaagggaaca | 171660 |
| tcggcacaaa | aggctgaact | tatagcgctt | atacagaacc | tccgagaggc | taaaggtaag | 171720 |
| atcgtaataa | tctacactga | cagccgatat | gcttttgcta | ccgcacacat | ccatggggcc | 171780 |
| atctacaggc | agcgagggct | attgacctcg | gctggtaaaag | acattaaaaa | caaagaaaaa | 171840 |
| attctggccc | tgttagaagc | catacatgca | cctaaaaagg | tagccatcat | ccactgcccc | 171900 |
| ggccacccaa | aaaggagaaa | acttgggtggc | caagggcaac | cgaatggcag | acttagtggc | 171960 |

| | | | | | | |
|-------------|------------|-------------|-------------|-------------|-------------|--------|
| aaaacaagtt | gctcaagggg | ccatgatctt | aactgaaaaa | ggtgatccgc | ccaaaagccc | 172020 |
| tgaggatggg | aggtataaca | taaaagagct | atggtagacc | agtgatcccc | ttccatactt | 172080 |
| tttttgaaag | aaaaatagaa | ttactccccg | aagaaggaat | aaaatttgta | aaaggactac | 172140 |
| accaattcac | ccacctggga | gttgaaaaaa | tgatgagact | aattaaaaat | ttccgatacc | 172200 |
| aagtccccaa | cctgaagtca | gtgggtcaaa | agattataga | ctcctgcaaa | ccatgtgcat | 172260 |
| tcactaatgc | aactaaagcc | tacagagAAC | ctggaaagag | acaacgggga | gaccatcctg | 172320 |
| gagtgtattg | ggaggtagac | tttactgaag | ttaaacctga | aatgtatggt | aacaagtatc | 172380 |
| tgtagtagatt | tgtagacacc | ttttcaggat | gggttgaggc | atttcccact | aaaacagaga | 172440 |
| ctgcccagat | tgtggccaag | aagatccttg | aagaaatcct | gccaaagatt | gaaatcccta | 172500 |
| aggtaatcgg | gtccgacaat | ggaccagcct | ttgttgccca | ggtaagtcag | ggcttgccca | 172560 |
| ctcagttggg | catcgattgg | aaattacact | gtgcttaccg | ccctcaaagc | tcaggacagg | 172620 |
| tagagaagat | aaataggacc | ttaaaagaga | ccttgactaa | attagccatt | gagaccggca | 172680 |
| gaaaagactg | ggtggctctc | cttcctcttg | cgctcaaaca | cccctggtcg | tttcgggctc | 172740 |
| actccttttg | aagttctgta | tggaggacct | cccccttaa | tggaagctgg | tggaacatta | 172800 |
| gtttccgact | ctgaccctgt | cttaccctcc | tctttgctta | ttcatttaaa | ggccctaaaa | 172860 |
| gtgattagga | cccagatttg | ggaccaactg | aaagcagcct | ataccccagg | gaccaccgca | 172920 |
| gtacccacg | ggttccgagt | tggagacaaa | gtcttggtca | gacggcatcg | aaccggtagc | 172980 |
| cttgagccac | ggtggaaggg | accctatttg | gtgttactga | caaccctac | tgcggtaaaa | 173040 |
| gttgacggaa | tcgcctcctg | gatccacgcc | tcccacgtca | agagggccgc | cagtcaagat | 173100 |
| gaagaaaacc | acgacgacaa | ttggacagtg | gcagtcactg | acaatcctct | taagcttcgt | 173160 |
| ctgcgccgca | ggcgccactc | tagacctagg | gaaccttaac | cctcatgctc | caattcaaca | 173220 |
| gtcctgggag | gtgcttaatg | aaaaggaaaa | cattgtatgg | gcaaccactg | cagtccatcc | 173280 |
| cctctggatt | tggtggcctg | atctcacgcc | tgacatctgt | aagttagcgg | caggatcccc | 173340 |
| caattgggac | ctctcagatc | atactgatct | tagcaacca | ccccctgagg | agcgggtgtg | 173400 |
| cccaaattgg | atagggagca | catatgggtg | ttcggggcag | ttctaccgag | ctaactcttag | 173460 |
| agctgcacat | ttttatgttt | gccctgggtc | gggtcagagc | aaaaggcttc | aacaaaaatg | 173520 |
| cgggggggca | tcagattact | tttgtggtaa | atggacatgt | gaaacgacag | gagatgctta | 173580 |
| ctggaagccc | tcctctaaat | gggacctaat | cacggtaaaa | cgaggtagt | gctatgataa | 173640 |
| gtcaaacgaa | ggagaaagaa | acccctataa | atatcaagag | agtgggtgcg | cttttaaaaa | 173700 |
| cagagcaccc | tcaggaccat | gcaaagataa | atactgtaac | cccctacgta | taaggttcac | 173760 |
| cgagaacgga | aaacaacacc | gtctaagtgg | gcttaaagga | aatagggtggg | gttggcgagt | 173820 |
| atacattcca | ctaagagatc | ctgggttcat | tttcacgatc | agattgacag | tgagagaccc | 173880 |
| ggcagtgaca | ctcgtagggc | ccaacaaggt | ccttataaaa | cagggggccc | ccagtcgtac | 173940 |
| tggctccccc | aaagggtccc | actgtaccag | ctccaccaac | tccacagccc | aacacagtgg | 174000 |
| taccctccct | aggaactaat | actctcctca | taaagcctac | cttggtctcc | ccaccgcccc | 174060 |
| taggaacaga | ggaccgtctg | gtcagtctag | tccaaggagc | tttttttagt | ctaaatagaa | 174120 |
| ctaaccctaa | tatgactcaa | tcagtctggt | tatgctatgc | ctctagcccc | ccttattata | 174180 |
| aaggaatagc | tcagatcagg | acttataata | ctacttcaga | tcattctcaa | tgcctttggg | 174240 |
| gaaaaaacag | aaagttgact | ctagcagcag | tttcaggaag | agggctttgt | ctgggcccgg | 174300 |
| tacctcagga | taaagggcac | ctctgtaatc | agaccagaa | catccagtct | agcaaaagcg | 174360 |
| gtcagtagct | ggtgcctccc | ctagacacag | tggtggcttg | caataccggt | ctcactcctt | 174420 |
| gtgtgtctat | gtctgttttt | aatagttcca | aagatttctg | catttttggt | cagcttatct | 174480 |
| ccagactctt | gtatcatgat | aatagttcct | ttttagataa | atttgaacat | cgggtccgct | 174540 |
| gaaaaagaga | acccgttacc | ttacttttgg | cagttctatt | aggattggga | gtagcagctg | 174600 |
| gagtaggtac | aggaaccgct | gccttaatta | agaccccccc | aatactatga | agaactacgt | 174660 |
| gcagttatgg | atattgatct | tagaactata | gaacagtcta | taaccaaatt | agaagaatct | 174720 |
| ttaacttccc | tgtccgaagt | ggtgctgcaa | aatagaaggg | aattagactt | attattcctt | 174780 |
| aaaaaaaag | gactctgtgc | tgccttaaaa | gaagaatggt | gtttttatgt | tgaccattca | 174840 |
| ggagtaatca | aagattctat | ggctaaaact | agagaacgcc | tagatatacg | taaaagagaa | 174900 |
| agaaaaagcc | aacaaagatg | gtttgaaagc | tggtttaata | agtccccctg | gtccaccact | 174960 |
| ctcctctcca | ctatagcagg | acctttaatt | acacttatgc | ttttgcttac | ttttgggccc | 175020 |
| tgcacacctt | ataagttagt | agctttttatt | agaaaaagga | taaacgcagt | ccagggttatg | 175080 |
| gtactaaggc | aacaatatcg | ggtccttcag | gaggttgaaa | actcgctcta | agattagagc | 175140 |
| tatctcctaa | aagaagtggg | gaatgaagaa | taaaaatttt | tactgaactc | ttcttcaccc | 175200 |
| cagaacccga | cccctcccat | ctagagattg | ttcccggaac | actcctgaac | tcttcacccc | 175260 |
| agaatgcatt | cctgaactcc | tcaccctaga | gttcgaaccc | tcccaactaa | aaactgttcc | 175320 |
| tagaacattt | ttgagataag | ggcctcctaa | aacaaccgca | aatgaaccg | ggtacattgc | 175380 |
| caaataatag | gacatgaccc | cttagttacg | tagattccct | tggcagaacc | ccttgtcccc | 175440 |
| tgacagaacc | ccctagtgat | gtaaaacttg | actttccctg | cccagctctc | cccccttgag | 175500 |
| ttttactata | taagcctgta | aaaaatttgg | ctggctcgctg | attctcctct | acaccactag | 175560 |
| gtgcatgagt | ttcgacccca | gagctctggt | ctatgttcca | tgtgctttct | tgctgttggt | 175620 |
| ctattaaatc | ttgccttcta | cattttgagt | acggtctcag | tgtcttcttg | ggtccgcggc | 175680 |

| | | | | | | |
|-------------|-------------|------------|-------------|-------------|-------------|--------|
| tgtccccggg | cttgagtgt | tgagtgaggg | tctcccttcg | ggggtctttc | aaaactactt | 175740 |
| cagaggaaaa | atgtattctg | cctcatgggt | tcaggggggt | tccttcagca | aattcaggga | 175800 |
| agacaagatg | gaacagctca | acctgctggc | aggagggtgt | gggaaaggac | aagtgttcat | 175860 |
| tgtgtggtgg | acaggaaaaca | gagagctggc | tacagtctta | caggcctacc | accactgacc | 175920 |
| tacctctgtc | cgtcaggccc | tacatcttaa | aggatctaca | gtttattaaa | agaacactac | 175980 |
| cagataggaa | ccaagtatca | aaccaccagt | ttgtagggga | taaaaataca | aggaacacat | 176040 |
| ctcaatagga | gtgtgttcca | ggatgtggac | aaggagaaca | cagttgttta | aaagcttaac | 176100 |
| gctggccagg | agagctgcac | acctttaatt | ccatcactcg | taagaggga | gcagggttcat | 176160 |
| ctctgtgagt | tcaaggcaag | cctgggctat | acaattctag | attagccaga | gctacatcgt | 176220 |
| aggagcctgt | ttcaaaaaca | acaaaaccaa | accataaaaa | agcattttctg | aggctttggg | 176280 |
| tttaatcccc | atgacctcaa | atagccaaac | agctctcctc | agtccaaacc | aaactgcaaa | 176340 |
| attggagcta | gtgagatggc | tcaacatatg | aaagtccttc | ccaaaaatat | tgacaactgt | 176400 |
| agcttatctc | tggggacaca | cataatggga | gaggaccaat | ttctacaagt | taccctctga | 176460 |
| cctccacaca | tatgcctccc | acaaataaga | aaatatatat | aataaaaaaga | aagaagtcta | 176520 |
| cagctgcaca | tggtcatgca | tgectataat | ccagcactcc | agaggctgag | gcaggaggat | 176580 |
| tattagtttg | agatcgcata | gcaagcagta | ggctagacag | ggctacatag | tgtaaacctg | 176640 |
| ccttaaaaaca | caaaaatcaa | ttaagcaaca | ataacagtaa | caaccacaac | aaaaacccaa | 176700 |
| aagagtactt | tgtagtaagg | acaataccaa | aatgtttcct | ttaaggacag | ttctggaatc | 176760 |
| agcaatagcc | ttccgagtgc | tcagggatgt | ataaataactt | agaaaacttc | ccctggagaa | 176820 |
| atgagcacca | gggtacactg | ctctcagagc | tgcccagaaa | gttgttttatc | ctggattcat | 176880 |
| ttcagccttc | ctaactgctc | aggcattcag | aggtcacttc | tgtagtagec | aatgtctaaa | 176940 |
| aaggctaaac | tactgctcag | catggctgtg | gtacttggca | ttatcatttt | gtgactgggt | 177000 |
| ttgtagttat | gcagaattca | agagttatag | catcatgaaa | gtttccacca | agttcctgat | 177060 |
| ccagtcacct | cttaaagggt | ggatgcacca | agtgcctttg | gggtgataaa | ttatatccaa | 177120 |
| ataatggtat | tccaccctaa | tccccaaaga | cttctggcca | tctcataatg | taaaatgctg | 177180 |
| agccatcgca | ccagcccatg | gccttgaact | cttgatggtc | ctgtctcagc | ctgtgtttgg | 177240 |
| attataaatc | tgttgggtgag | gtattccttt | gctgataata | caagcaaatt | cttcaagctt | 177300 |
| ccatcctaga | ctgaagacca | gcagctctcc | aggagtccct | aatgcagact | ggcccagctg | 177360 |
| ggacattgag | cctcatggac | tcagccgcta | ctagattcgc | aacctattca | gacaagccac | 177420 |
| tgttggaact | cccagacaat | actatgtaag | ccaattccat | tttaatacac | atattcatct | 177480 |
| gggtgtgtgg | cacacacctc | tactcccagc | acgcaaggag | cagaggcagg | cagatctctg | 177540 |
| atctcgaggc | tggtcttata | gagtgaaatt | caggccagcc | agggtacac | agagaaaacc | 177600 |
| tgtttcaaca | aaacaaaaac | cgtaaatcca | ttctatcagc | tctatttcct | tagagaattc | 177660 |
| taatacatgt | gggtaccagg | ggttgaactc | aaagtcttca | tgtttacgta | gcaagtttcc | 177720 |
| ttctgctagc | ctagtgaagc | tgaggcaggt | acagccgggt | ctttactgct | ccttgcaaat | 177780 |
| ggtcctcctg | agctttcctt | tgagagccta | caaagaactc | tttttttctt | taggtctcca | 177840 |
| ggttttggtc | ttaagagggt | ctggacttgg | atctgtagct | gtcatatcac | agacattcaa | 177900 |
| catctggcaa | atgtcttgac | aaaggagatc | acttgtgttt | gctgcagtgt | cccttctggc | 177960 |
| tgtgagattt | tgctcctcac | cactgcagga | ctgcagatct | attctgcctt | tttagttgac | 178020 |
| ttttcattcc | tgagaactgg | ggaaaactga | ctttgtattt | gggctttgaa | tttgtccatt | 178080 |
| tgtcaatcca | tcacaccaga | cctaaccac | tgccaagagt | tctgctgact | tttgttttct | 178140 |
| ctagggtggt | cactttgctg | ggctcctcct | catccttggc | ctgcagttta | tccccaggaa | 178200 |
| agaaaatggc | taacgactgc | taagaagcag | tctttccttc | cagaaatttt | agtctatcta | 178260 |
| gaccttgctg | cagtctgaag | tctttaaaat | gtgtttgtta | tggtagaata | ttttgagttg | 178320 |
| ccttaggagt | attgcttgct | gtcacctatc | atattctatc | aggaagcaga | cgtcccattt | 178380 |
| accaaattgt | aagaaatatg | gcatcaatac | ccactgcaaa | aagtgtaaat | aaataataaa | 178440 |
| aaaatagatt | tattacagag | tgcaaggga | aagaaaaaaa | tcagccagtt | tcagaattgt | 178500 |
| aactggacaa | atgttggtac | agttcatgaa | gaggttctac | aaaatggctg | ggggtgggaa | 178560 |
| cataatgagt | tagtttgctt | ttttttttct | ctttccttcc | ctttcctttc | cttacaagggt | 178620 |
| ctcatgtagt | ctatggtctc | aaactcacca | ctgtaaatca | ccttgaactt | ctgatccttc | 178680 |
| tgcacgctgg | caatgtaagc | atgtgccacc | aggcctgggt | cacacatttg | gtttttcaat | 178740 |
| acagaatagc | tctgtgatga | ttactttcaa | tcatacaact | gacataacca | agaatcgtct | 178800 |
| gaggaagagt | ctcagtgact | gggtgggcta | agggcatgct | cataagggat | tatcctgatt | 178860 |
| gttaattgac | atggaaagat | caagtccatt | gtgagcagca | acacgccctg | aacagaagtc | 178920 |
| ttctgaagta | taagaggaga | aagcttgatg | agagcaagca | ggcaagcaag | ccaggatcca | 178980 |
| cgtgtttatt | ctctgtctgt | tcttgaccgt | agatgtgatg | gctgtcttgg | cttctctggga | 179040 |
| aacatgaact | gcaccctgga | attgcaaggc | aaacaaaact | tttctctctc | caagtgtcct | 179100 |
| tatgctaaga | tattttatcg | cagcaataga | aattgaaact | agaacaggcc | cataactgcc | 179160 |
| agctttggaa | ctgaacctaa | ggctgttata | attcactagg | atagggacca | ctggaagtga | 179220 |
| atctgatttt | gatggtaaaa | tcatgtgttt | gtttctggat | atgatagatt | tatcaatttg | 179280 |
| agactcagaa | aagaagttag | gacttgaatt | ccgtttttaga | gacattccag | agaaaactga | 179340 |
| tgtcattggt | ctgaatgtaa | gtgcctcagc | tgaaaataca | aagagtacag | ggaagaaagc | 179400 |

| | | | | | | |
|-------------|-------------|-------------|-------------|-------------|-------------|--------|
| ccaggctaga | atctgaagga | actcctctat | tttttgtttg | cttgtttgtt | tggttggttt | 179460 |
| tttgagacag | ggtttctctg | tgtagccctg | actgtcctgg | aactcacttt | gtagaccagg | 179520 |
| ctggcctcga | actaagaaat | ctgcctgcct | ctgcttccca | agtgtcggga | ttaaaggcgt | 179580 |
| gtgccaccac | accaggctag | gaactcgtct | attacacatt | aacacccttc | tttaattaac | 179640 |
| tgttcctgcc | aatgtaccaa | atagtcaatt | gattcctgtt | tatttaccac | atgtttctgt | 179700 |
| tagtaaacca | gaataactta | tctagccaaa | gtctgcctat | tagccatatt | ttcatcagtt | 179760 |
| cccaaccatt | tttggaattc | tgtgagggga | atccacagat | gctgtagacc | gcttttagaca | 179820 |
| tttttcagct | tttttcaagt | tgcaggtcac | gattcagtg | gtcatgaaat | taatttagtg | 179880 |
| ggttctgatt | agcatttcaa | aatgaggcaa | gcagagggca | tattgtcaca | gcacagcaca | 179940 |
| tgcggttaagc | agccacacac | tcttgcttgg | aggcttagtc | agtttctggc | tctaaacgcc | 180000 |
| ccaggtttgt | ttctctatcc | taggcctctc | tcttaaattc | caaacatagt | tagacattac | 180060 |
| cattggggca | cgtgcaactc | aaacacggag | tgtgactcct | ttcccatctc | gcggttccca | 180120 |
| gatttgggcaa | tgtaaccctc | ctcccttctc | cttaggggtca | gttttacctc | tcacactcca | 180180 |
| caacacaaca | cctctcatct | caagaattgc | cattagggct | ggtgagatgg | ctcagagggt | 180240 |
| aagagcaccg | actgctcttc | tgaagggtct | gagttcaa | cccagcaacc | acatggtggc | 180300 |
| tcacaacccat | ctgtaatggg | atctgattac | ctcttctgg | gtgtctgaag | acagctacag | 180360 |
| tgtactcaca | tatatataat | aaataaatct | aaaaaaaaaa | aaaaaaagaa | ttgccattaa | 180420 |
| atgtacctca | gagtccaaat | gcttcttctc | ccctgacta | cactcacgct | ggcctgagtc | 180480 |
| cattttctta | ttgaggttac | tgcttctctg | cttctaccct | ggctccttct | gctgcctatc | 180540 |
| cttgacacag | cagacaagca | gttcttttaa | gcagggctca | ggaccagtga | gactgactcg | 180600 |
| ctctgggtggc | acttctctgc | atgactgatg | atctaagggt | aagcctagaa | cccagcaggt | 180660 |
| agaagcaaa | gacctactct | ccaaagccgt | cctctgacca | ccatgtgtaa | actgcacatg | 180720 |
| tacatgcatg | cacatggtac | acacacatac | acagaagtaa | aaagagattt | aaattgaaaa | 180780 |
| tcattaaaaa | gaaaaatcag | ggctcagcaa | actttccgtg | tagaaaacta | gagtacttag | 180840 |
| gctttgaaag | ccaagaagtg | gatattaatt | atagttatct | attatagcag | agatttctaa | 180900 |
| aaccttttga | caaaactaaa | aatataaaca | gagtgtattt | tttttghtaa | gtaagtttac | 180960 |
| taatggcagc | agtgggatta | gtttcttttt | tagattattg | ttattatttt | tattaattat | 181020 |
| tagtgttttt | gtgtttatct | atattccaca | gcattgtgtg | ggaattggat | ttctgcttcc | 181080 |
| acctttgtgt | gggtcctaga | gattgaactc | aagtcaccaa | gcttgccacag | taggttggtca | 181140 |
| ggcttacaca | gtaggtggtc | aggcttgatc | ctttggaagg | caagcatttt | acttctctgt | 181200 |
| ccagctcact | ggccttcttt | gtttaaaaaa | agaaaaaaa | agtccttttt | tgtttaatta | 181260 |
| gggttcatgg | ccagtgtctc | ttatctttaa | atcaactgca | aactttttatc | tggtaaaaag | 181320 |
| ccatccttag | ctgtggctct | aggagaaaaa | catacagttg | gatggcttta | tcctgcaggc | 181380 |
| ttagtttgat | catctctctt | tgaagatata | atcagctcac | atcacactca | agcctctgcc | 181440 |
| aacgagtttt | ctacttctgt | tcaacaaact | acccaagctg | agcagctcca | aacaacagcc | 181500 |
| agttatgatc | ctcacagtcc | gggtgggtcag | aagcctaagc | gggcgtggct | acctcgctgc | 181560 |
| tattgcctga | ccctgctcgg | tgcattccaca | ttcacatcct | ttcctgggtga | gtgtggttct | 181620 |
| ttgactgggt | ttgttccaat | tttttagtata | tgtgctgctg | aaacaatctt | tttgctctg | 181680 |
| cctccagact | gcagggatta | atgttcttga | ctgccacaga | gcactaatat | ttactgaaca | 181740 |
| tgtgatcaatg | tggtgtctcag | cactcttgca | cccaaggctc | ggggaacatg | gaggaagagg | 181800 |
| gggtggaaa | attccaagaa | ccagaggaag | aagaaagtca | gaggtgagac | tgcattctct | 181860 |
| agaaatgtca | gggacatttc | tagacctctg | aagtctcaag | aacaaggcct | gaaagtctta | 181920 |
| tttatatagg | ttaacctgaa | aggggaaaaa | attcttacag | gggtccaacg | ttagacaaag | 181980 |
| aactctaagc | aactaaggaa | tggtgggggg | ggggtagtct | tcccagggga | acactcctct | 182040 |
| acccttcaag | ccccacccaa | gctggttatc | caaaacaaac | tggtcagtc | tgaagccata | 182100 |
| tacgcacaag | taacatcata | tggatgggca | gattgcattt | aggaatacac | acatacacac | 182160 |
| acacaactta | aaaagagagg | ccatgaattt | aagagagagc | aaagcaaagt | gggaaggggt | 182220 |
| acatgggaag | gttggaggca | gnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | 182280 |
| nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | 182340 |
| nagagagaga | gcctattatg | tcgttggttg | cttctaatac | ttagaaaacc | actctcttag | 182400 |
| gctgagtcag | aactagccta | gctgagacac | tgtccacca | ctgtcccaga | gcaaggccat | 182460 |
| cgctgtccca | gatttgccct | tgggggccct | tgaatgaaa | gtcaccagca | ggctccggaa | 182520 |
| gctgcctcat | gctaatacgt | tgaggttggt | aaaatagccc | tgcagtgggt | cctgggcctg | 182580 |
| cagctggggc | agagccacta | aggggagctc | ggctctttgg | agcagagtta | acagtcattca | 182640 |
| gtgctttttt | ttttttttta | aatgttccct | gctttaggct | cagtgtctgt | cgctacttct | 182700 |
| aatccttgca | ataggctgca | agacaggcaa | gaatatcatc | cctgttttgc | cctcaggcaa | 182760 |
| attctgaagt | ctggcaaatg | aaagatgtgg | tatttgaaca | cagacttggt | tggccaaaaga | 182820 |
| attctcactc | tacttctgcc | tgtgccacgt | tcctctcatg | cacggggagg | ggaggggagc | 182880 |
| ccactccca | tgctcagggg | ctagggaagt | gggagaagat | ggatgtcctc | aaagcagggt | 182940 |
| gagaatgaag | tagaagccag | cttcaaatct | aaactaagca | atgtttttatt | tccatttccc | 183000 |
| tgaacataaa | gttcagttac | atttggttta | aaaaaaaaaa | tccttacaca | actggttctt | 183060 |
| gagaaatgtc | aagtgtctaca | attcagtgga | tgtggatgaa | acaatcaaaa | tggtgaacac | 183120 |

| | | | | | | |
|-------------|-------------|-------------|-------------|-------------|-------------|--------|
| ccccaaacag | atacaaacct | tcatcaaagt | ctcttccaaa | ggctgggtct | gaaaagagcg | 183180 |
| actcatgttc | cagcccagtt | ggctccttct | catgtgagct | ccgacttcca | aagactgctt | 183240 |
| gcaccaggag | gaaatataat | agatgtcctt | tttaaggggg | gtgggggtctg | tctgacaacc | 183300 |
| tcccacagt | actgtggata | cagcccagtt | agtagagttc | tgccttagca | agcgtgcggc | 183360 |
| cctgggcttg | agatctagca | ccctaaggca | tagtggtaca | tgcccatgac | cacagcactt | 183420 |
| gggacgtaga | ggcagaagga | tcagttcaag | gtcagatgag | gggtggggag | gcattccttt | 183480 |
| aatgccagca | tttgagaggc | agaaacagat | gaatttggtga | gttcaaggcc | agcctggtct | 183540 |
| acagactgag | ttccaagaca | gccaaggcta | cacagagaaa | ccctgtcttg | tcaggaaaaa | 183600 |
| agatagtggg | agagaattca | aggttatctt | ggactgcata | agactttgat | tccaaaaataa | 183660 |
| acaaaaatgg | agcatgaatg | cttgcaactg | tggacaatat | tgggttcata | catattctgt | 183720 |
| tttgtcacct | acataccaat | tatacaaatc | agattcagct | gggcccactg | gtgcatgttt | 183780 |
| gttcccagca | tctgggaggt | agagatgggc | agagctctat | gactttaagg | ctagcctggt | 183840 |
| ctacaaaagta | agttcttagga | cagccaaccc | tacagagaga | tacactactt | ctaaatcaat | 183900 |
| caatcaatcc | atcagtcaat | catgggctgg | agagatagct | cagtgatcaa | tagtgccatt | 183960 |
| cttcagagg | acctgggttt | gattccagc | accacatgg | cagctcacag | atgtctgtaa | 184020 |
| ctccaatccc | aagggacatg | acaacttcta | ctggctctct | tgggtcaacag | gcatgcacgc | 184080 |
| agcatacaat | atatatatgg | gtaaaatgct | atatatataa | aaatcagatt | cacaaatcaa | 184140 |
| gtacagaaaag | agatcaacta | taatgaaaca | accataacac | atactgtttt | aaaagctacc | 184200 |
| tttcctgtct | gacatctgac | ttcttgctg | accagtgcc | tccacaatga | gacaagcaga | 184260 |
| tgggtgtagtc | cctgtgaccc | aggattagc | aaccactgcc | cctgggaagc | cattcctagt | 184320 |
| aacaggatca | aatcccacag | tgtctcactg | taccccgcca | gaggacgtga | agcctccctt | 184380 |
| ccccggctgt | ctgtgcagca | cgcgccagat | gcttgggtgc | actgagtgac | catcggagcc | 184440 |
| caactgagga | gtgcctcagt | gctcctcagg | gcagtgtgca | attgaaactt | gcatgtgatt | 184500 |
| tctggaattt | gtcatttgat | atttccagac | tccagctgac | cttggataac | agcacagagg | 184560 |
| gcagaactgc | agaggaaaaag | gggcactact | gtgactgtta | tcccctgcat | gattatagaa | 184620 |
| gggtctgtgc | tttctcttac | aaatcattgc | ggcctctctt | cacttccctc | ctttgaagtc | 184680 |
| gaaaaaaata | gatgcacctt | cacagtacag | gatggcaggt | acgaggcggg | ttccgggact | 184740 |
| gaggcaggac | tcatcatgca | gcctctttcc | ctcaactaca | ccgcgcggcc | tgcagagttc | 184800 |
| cctctgatca | aatcagtttc | aggcctggaa | agaaacggcc | actcaggctg | gggatgtggt | 184860 |
| tccattagag | gcctgcatgc | acgaagctct | ggatttgatc | ttcagcacgg | gcataagccc | 184920 |
| agtatggtag | tatctgttta | gcatggtgtg | gaggtatacc | tatctctgca | caggagagacc | 184980 |
| agaagttcag | agttatcctt | gcacttacag | taagttcaaa | gctagcttgg | gcaacatgaa | 185040 |
| gttttgcctt | aacaaaacga | aacaagaggg | gccggggaga | tgcttcgctg | tgctgagtca | 185100 |
| tttgctgcca | agtttgatga | cctgagtttg | gtcccttgag | cttatggtgg | aaggagagaa | 185160 |
| atgacgcttg | aactccacgc | acatgccaca | gccacgcat | gaatgtgtat | acacacacac | 185220 |
| actaagtgga | taaagtgtta | aaataaataa | atcaaaggaa | tggccactca | aaatctacca | 185280 |
| tcgttgggaa | gggaggggaa | aaggcaggcg | agggagatag | ataaccctga | tatgaacacg | 185340 |
| gaaagagcca | gtgtgccacc | aaagctgccc | agtgtgccac | caaagctgcc | cagtgtgcca | 185400 |
| ccaaagctgc | ccagtgtgcc | accaaagctg | cccagacttg | attacagatt | tggccaggga | 185460 |
| cacaggaggc | cagcaggagc | agccaggttc | cacctcagag | gtggagccac | aaacttgga | 185520 |
| atgaaacgtc | tttcccttcc | ttcagaccac | agcagtgaca | gctgtcctgc | agagtctgga | 185580 |
| gggctggcag | ggctcatcca | ctctagtgtg | cctgtggcca | gaacaggcct | cagtccaggg | 185640 |
| tgcttttcca | aggtcttagt | gtctaattaa | ggtagcagc | caaattggag | agagaagggt | 185700 |
| gctggacttt | actctgctgt | aaggactttg | ggcattgttc | cattccgtga | tcaaatacca | 185760 |
| ctggctctgc | caaccaccat | gtcagtgggt | cttcagaggt | agaagaactc | atcctttttt | 185820 |
| gagaggtttg | gtctggtcct | tgtctaattgc | aaaatgcctg | gggcaccagg | ttaatgtcaa | 185880 |
| ctcaaaggca | agtgtgtgtc | cagcatgtgt | ggaatcctaa | gttcaatacc | catcagagcc | 185940 |
| ccaagcccta | gaggacagac | atgctttaa | aaaaagtcac | gctttaaata | aattctgttg | 186000 |
| agggggctgg | agaaatagct | cagcagttaa | gagcactagc | tgctctttca | gaggaccag | 186060 |
| attccgttcc | taacattttc | atggtggctc | aaagctgtct | ataattcaag | tcctagagg | 186120 |
| gaatctgttg | ccctctctgg | tttctcagg | caccaagaac | acatgtgggtg | caaacataca | 186180 |
| cgcaggcaaa | acactcatac | atatgaaaca | ttttttataa | acctgtctcg | atgtgggtggc | 186240 |
| tcatgccagc | gatgctctca | gcactcagat | ggcagaggca | gggggatttt | gtgttgagcc | 186300 |
| cagcctgagc | tatagaatga | gatgctgtct | caaaaagaaa | aaaaaaacaa | aaaaaaacaa | 186360 |
| aaaacaaaaa | caaactctgtg | ggcttaatca | ttcctagcca | gaaggagctg | gctccagcaa | 186420 |
| caatggatcc | ctagagctct | gctttgcccc | ctggctctgga | gagcttgctc | tagaaaaggaa | 186480 |
| ttctccatag | accacatttc | tattttgggg | accactctgg | gcctgcacat | ggaaaaatgg | 186540 |
| agagttgagg | tttacatggg | catttttttt | gttgcttacag | taatgagagc | tttgaaatga | 186600 |
| tacacaaaag | aaaataggaa | aatatgcctc | ctaaaaagag | ccgaggcaaa | ttattatagc | 186660 |
| aacccaatcc | taaaagggaat | gttcaagtaa | aaaaaaaaaa | atatggctca | tgcaaggttg | 186720 |
| ttatggcaac | tgacatttaa | aagtaacagg | atttgggcaa | gtttctttct | ccaccctctc | 186780 |
| tgcaaaagtct | tgcagggaact | tcatgctaaa | attatgcttt | aattttaatt | agccaaatag | 186840 |

| | | | | | | |
|-------------|-------------|-------------|-------------|-------------|------------|--------|
| gtcataaata | tagctttat | ccaaatcctt | agaattttcta | ccctgcaagg | agctgaacta | 186900 |
| ctaataagga | aatattttcca | caaaaaccca | cttaccatta | agaaccccc | tccgatattt | 186960 |
| ttctaataata | atztatcaat | ttaaacacat | tgcataatgt | gccactctgt | agcattccat | 187020 |
| taaaatgata | aatagcaata | gtggtgaggg | gtgggggggca | aaaaccagga | gattaaacat | 187080 |
| atccaaagca | gtgtagctat | atttaaatac | ctcaatccat | tgtagaggaa | aacacactgt | 187140 |
| tctcatccgc | agatacagtc | tagactcaga | gcagcatatc | cttgactgta | agggtattaa | 187200 |
| taggacagac | gaagggggggc | aataagaaat | gacaggaaac | ttcagaagaa | ataaaatttc | 187260 |
| tattaggctt | tgttataaga | ttacatcaaa | gcagttcata | tgtttttaac | tggggaggaa | 187320 |
| aaaaagcaac | tacttggggg | ttgcgcctgg | gggctgcctc | tgtgtactga | accagacagt | 187380 |
| ttgcataatg | aacaatttttc | attcaatcag | gatctcagca | gagatagctc | ctactcaaag | 187440 |
| gaacccggca | caggctcata | gttttttatct | cccagctcca | cctgctggag | aaaccttgta | 187500 |
| ttgcagggag | agaaagcagt | cgggaggcat | tgctctagt | gctgtgtacc | taaagttaca | 187560 |
| gacctgactt | taaacagt | ctctctggag | gttgaaaggg | gctctgttaag | ataccagagt | 187620 |
| ggattgctct | caaagactct | cggactcctg | ttacaggcaa | gtaaggctct | agcagatggg | 187680 |
| agcatggatc | tccggccctt | ctcactgctt | tcttgaatca | gggatttaga | aattgctatt | 187740 |
| tgcataccag | gaggactgaa | gtttggctcc | cggtgaccag | aggacaagg | cattgtttta | 187800 |
| aaccacccaa | actcattttc | gacttggttg | gtcaaatttt | caagtttccc | agcagtctaa | 187860 |
| ggattcataa | aataaggcag | aggcagagaa | acggaggggtg | tgtgtgtgtg | tgtgtgtgtg | 187920 |
| tacccaaaat | ggaactgcat | tttcatgcac | aatagaaaac | ttaaagactg | aaccaatcat | 187980 |
| tttgaaaaac | tggcacagct | gacattggct | agaggaaagga | acggccagg | cgagccagct | 188040 |
| gcaccaagac | ccagggtgga | ggcctaattcc | gcctttatcc | gaggggttag | tgaggctccc | 188100 |
| cccgtccacc | aatcccggct | ggagccgcag | aagagctctc | ttcacttggc | tcagctccag | 188160 |
| cacagtgcga | ctatgctctc | ccgtggggag | gccgtcccg | gagggggagc | gacatcaagc | 188220 |
| tttgtgaaac | tgttttcgaa | aacctgggat | gatcatttaa | atgtttaaaa | tatgcacatg | 188280 |
| gtaattcaaa | actaattacc | ctgagcacat | ttgaaacatt | tatgccatca | tcttggatcc | 188340 |
| tgctactga | ttgtgcgctg | cagctcactc | tggtgtttct | ataaactgct | tcagcgattt | 188400 |
| taacttccag | gctaaatcag | gcagccacag | gcgctgcctc | cagccctggg | ttggtggaga | 188460 |
| gaccccatc | cctgacttcc | aggcgaggag | gcggcccggt | tctccagaga | gccgtttgtc | 188520 |
| agggtcttgt | agttctgggt | gccgaattat | tgctcttacc | cgtgttcata | attctcatct | 188580 |
| gcattattta | atztatggct | gaatgacctc | tttccctccc | gagtcttctt | ccctcattcc | 188640 |
| catttctctt | tcttcaattc | gtggccccc | ttttctgatt | ggtccaaata | tatagacaaa | 188700 |
| tattcttgat | cgtcccaccc | cacttggcta | catcttctac | tgggagccaa | tgtggtgagt | 188760 |
| tttctgggtt | tgcaagggtg | tcagggtccac | cagtcactct | aagggtgtgtg | agagaggtag | 188820 |
| accaacatga | gcggcgcaca | gccgccatca | ctgagagagc | acgtgccctg | cagctcaggc | 188880 |
| acaggcatgc | acacaccggc | agacatgtgc | acatgcgctt | tccccagcaa | accctgcttg | 188940 |
| cagagtaatt | aggcctaggc | agttcctgaa | gcaaattcat | ttcccccttt | tccagaataa | 189000 |
| aatgagttct | cttccctttg | gggtgctaaa | ccagcatgcc | agtggctaga | agcctgagat | 189060 |
| gggtgatgtg | gctgaaacca | tttctgcagc | caagcctgtg | ggcagaagct | aaccttgggg | 189120 |
| tggggagctg | cagtcggaag | aggcacaatt | ctgggatcaa | gaaatgagca | ctggtttata | 189180 |
| ggtacactcc | cagaaataga | cagatgaggg | ctgcctcctt | attagcgctt | tgaagatgcc | 189240 |
| catggcgggt | ttttagacat | ttaggaatat | aaaagtaggt | tggattccca | cagtcagctg | 189300 |
| aagtttgaca | gagtgatatt | accgggttta | actagagcca | ttaagagact | cttcattatc | 189360 |
| ccacaccacc | gccacccaag | ttatcacatg | agccataatg | caagagaatt | ttcattccat | 189420 |
| caacaagaga | gggagccggg | ctatctttgt | ccaaaggaaa | tgagcagccc | agcgtgaagc | 189480 |
| ttgtgaggaa | ttgagtgtac | aacactccaa | taacatcccc | tgcaggattg | cctctgcgat | 189540 |
| ttagtgcgtg | aagcaggggt | aactgcgctc | gagcagctcg | cctgtgtacc | tggcttgcaa | 189600 |
| gaacaccagc | tgcaggaaca | ccaaaaaggc | cgattaatga | caaaggacac | tcatagaggc | 189660 |
| ccgaattcca | cagggtctaa | gtattaagcc | ccaaagaaat | caaggcttag | gccattctcc | 189720 |
| tggcgctcag | caatctcatt | tattatttct | ctacaaagat | ccaacactca | atttcccagg | 189780 |
| tatcccttgat | atctgactca | cattctcctg | ctcagtaagc | catcctgggt | tgaacggggc | 189840 |
| ctccccctgt | cctgcctatg | catgctttgc | gtcttcacaa | cgacagctgg | taatttgcaa | 189900 |
| gacccccctc | actggactct | ctcacccac | atacttgga | ctactccttg | gaactacttg | 189960 |
| tttatcaagt | gttctgtttg | tgagccttct | cttgcattaa | agctgtgaga | aggaaccaca | 190020 |
| gtttctat | cctttacatt | tctttagcgc | tctcacatgg | gagacaccca | ggttagatat | 190080 |
| actgagggtc | ctggtagttt | tagagttgga | gttagatgac | ccagcaacat | gccttcccc | 190140 |
| accacgcacc | aagcaaaaat | tgcacccacc | cttccctcag | atgttctctg | catcttataa | 190200 |
| ctcgcccaaa | gccagattta | ttgctcctgc | tgtaaagtgt | atcttctcta | agcctcactt | 190260 |
| aaaagctacc | acttggcaga | agatcaagtc | agaagtgcag | gctagcaggt | gacggtgagg | 190320 |
| acagggcggt | atggggcggt | taggggtggag | cgaataattg | aagctccaag | agttaccagc | 190380 |
| tcaatat | acctaactgg | taatttgctg | tgacaattac | gccatgaagg | gaacgctgcg | 190440 |
| actatgcaag | aatgttgctc | tctaattaag | agggtctctg | atcttcttag | cacccgcact | 190500 |
| ttaataacac | acagaatgag | ccttggctcc | gggagctaaa | ggttccatta | ggagcacggg | 190560 |

| | | | | | | |
|-------------|-------------|-------------|-------------|-------------|-------------|--------|
| cagcatatgg | ctgtgcacat | aggccgtgag | tgatgcagcc | cagttaagcc | cgctaacacc | 190620 |
| ttcaattcgt | cctcagatag | agccccagaga | gcgcggctca | ggccctcacg | ccacgagccc | 190680 |
| catttgactg | acaggcatct | tcccggaaag | cctgcgcgtg | cctacactgc | aaatggacct | 190740 |
| gcttcccaca | gcccggcttt | caaccaggaa | ggcttggtg | gggtctgac | cttcaagagt | 190800 |
| aactttaata | aggattttct | cacagaaaga | aaagtccatg | ggaacaaatc | ctcctcttaa | 190860 |
| gagcgtgaga | caggaatggg | gacacaagcc | aacaccccaa | ttgctaggct | aactctgata | 190920 |
| tgagacaaaa | gaatattaat | atcttggtca | tgaaggagga | tggtgccatc | ttctgaattg | 190980 |
| atgggagttt | tgaggcatgg | ctaagctggg | caaaccattt | tctttttttt | ctcttcttaa | 191040 |
| ttagtggttc | atztatggag | ggcttgctgc | cggagagacc | catcagaaga | gagctcgctt | 191100 |
| tatggagatg | tagcttataa | aactactcag | attttaaaca | aacagtgcag | gaggccagag | 191160 |
| gtagaagtgg | tgggggtggg | gtggggcaag | agaacaattg | catctgcaga | aggctagccc | 191220 |
| tgacccccaa | gcctatgttt | agggttgatc | agcttcccga | ggcaagccca | gaagcctcta | 191280 |
| aaatttttagg | ccaatagaaa | tgacctctgc | accacggctg | actgaagcta | taaataagcc | 191340 |
| tcgagttgag | cagtgggtgc | aacggagaga | gcagaggaaa | gtccaatcag | agcttcattt | 191400 |
| ttttttttta | aagtccactt | gcttgggact | cacctgaagg | cagggcattg | agtagagcct | 191460 |
| tggctccctg | cagcgagagg | ctccagtttt | cccaggcacc | agcccatcgg | ttggttacct | 191520 |
| aaccaccgaa | agggaaactgc | acagcacaca | agttaaatat | aggctggggt | atctgcattt | 191580 |
| tacaagctct | gagcaagcta | tctgaagaag | ctgtcatttt | taatgacggc | acaaacttcc | 191640 |
| aattaccgac | tgggtaatcc | actagggagc | aggtagtttt | ggaagaacag | ttcaccatta | 191700 |
| ttaaaagttt | acacaatcac | ttttgagttg | actataagta | tttcacacga | ggcaggtggg | 191760 |
| attagggact | ttttgggtgg | tttactcgag | gctgcaacca | acaatgagtg | ttttctcaag | 191820 |
| aattatacat | tgagatttgt | caactgctgg | ggagtgtggg | agggctcctgg | taatgcagaa | 191880 |
| aggttatgaa | atggccagggt | aaggttgggt | gcttccaagt | ctcaaataata | ctcctaaggc | 191940 |
| cagctccaag | tcataagctc | aaacaagtct | tcaagggggc | tggagagtta | agacaaataa | 192000 |
| ggatcactta | ggctacccac | ggacaagcac | ttctcataca | aggaccggct | acctccaaca | 192060 |
| ccatcttccc | aacatggctt | ctatgttgct | tcaacaacca | gggcaggggtg | aattaggggt | 192120 |
| gggtctctcc | aatgtggact | caaatacatga | ctacagcntg | gggttttttt | tttttttttt | 192180 |
| tttttttttt | tnnttggttt | ttcgagacag | ggtttctcca | tatagccctg | gctgtcctgg | 192240 |
| aactcacttt | gtagaccagg | ctggcctcgg | actcagaana | ccgcctgcct | ctgcctctgc | 192300 |
| ctcctgagtg | ctggaattaa | aggtgtatgc | taccacgccc | ggccgagtc | gtcttgataa | 192360 |
| tgaagttccc | agtgacctgg | atgtcaactg | aagttggatt | ttactgtgat | gactactgag | 192420 |
| tccggtctcag | aattttgggg | ggacaaggta | ccttgattta | actgggcact | acacgactgt | 192480 |
| aacccccaca | ttgggagagg | cagaggcaga | ggcagaggca | gaaagtgggt | tggaggctag | 192540 |
| gcaaggctac | acagcaagaa | gctgtctcaa | aaccaaagac | atctttcttg | atccaaatcc | 192600 |
| tgtcggaggg | tgtgaggcct | tggggggccag | aacaagggtg | tcaaggaaga | ccactgactc | 192660 |
| tgtcctttgc | tccattactt | aatcagaatc | gccatcacag | atatagctag | gagattttta | 192720 |
| gccttggtgg | ctgcaatctg | catttaagag | ctaagtggga | taaactcagg | ggtgggcccc | 192780 |
| atgcctccct | ccccaccctc | cctgcacccc | tccattttacc | tgtttccagg | gatctgctta | 192840 |
| atttacctgc | cagccttttg | tgggacacag | gcttagtggc | ttagcgctgc | tgggggcacc | 192900 |
| agagaccctc | acagaagcac | ctgaatgtac | tttcagcgct | gcagagcacg | cacggctcag | 192960 |
| gcccattcaga | agaaaccagg | cttatgctaa | ggagccagaa | agtagaagca | gctggcaaga | 193020 |
| gtgattcagc | cccataaatt | tacacatccg | tacagccaaa | cccacttgaa | gtgatccaga | 193080 |
| gccactttta | ttgaaataga | aaagatgcct | attctggagt | gctaagtggg | acaggagggt | 193140 |
| gggtatataa | gagataatcc | catgttgtct | ttgatgtggg | gctagggaga | taaccagga | 193200 |
| cctcacgcct | gcctgcaagg | tagccaccaa | gccacacca | caacctctat | ttatacacac | 193260 |
| actaagtgtg | gaggtatgga | taaaaaaaaa | tgtcccaaga | cctcacgaat | ctgcaaacat | 193320 |
| ggtgcctggg | tgggtggcacc | gttttggggg | gcagtggacc | atthtggctt | gcaggaggaa | 193380 |
| gttatgtcac | tgggtatggg | cttttgagagt | ttgtagcttt | gtcccccttc | cagtttaactc | 193440 |
| tgctctcgta | aggttcctgc | caccatgttt | cctctgccat | tatggacacc | tggtcctcta | 193500 |
| gaactgtaa | gcacttactc | tcagggtctct | ttcagtcctg | gagtcttatc | atagcaatga | 193560 |
| aaagtaactt | gtgtggcagc | cagctaagca | agggctgtgg | ccgactgctt | gggattatgg | 193620 |
| ttgtgtctgt | ctgtctgtct | gtcattccat | ttatatagtc | ctgagaattg | aaccacttta | 193680 |
| ccactgacat | gtctcagtc | tcttggtatc | atatattcac | ttaagacaag | atctcattaa | 193740 |
| gtcattcaga | ctgggttttg | gcttgcaatc | ctcctgcctc | tgcttcaagg | cgataggatc | 193800 |
| cctagggtag | tcgaccagac | tgggagtagc | aggttctgtt | ctcttagctt | tctacagtga | 193860 |
| ttgtggatta | tttgtgtata | aagatctgat | ggcccgaccg | actcccttcc | ctttaagtga | 193920 |
| acatcaacag | tatttagcat | caacttaata | aactcatttg | gtaaagccat | ctccccacct | 193980 |
| cttgaacaaa | tgaataatcaa | acagcagtag | ctgttctctt | agagcagcgg | ctctcacgct | 194040 |
| tccggccttt | taatacagtt | cctcgtgttg | cggtagcccc | cccccccccc | agccgtagaa | 194100 |
| ttatttcatt | gcttaaccag | agttaactgg | aagggttaat | aataaaacca | gtctgggaga | 194160 |
| ctaaggttac | ccaaccacgc | taggaaggag | aggaaagggc | cactcgcaca | aacctgtctt | 194220 |
| tgagatgaag | aacaatcaac | ataacaggga | cagagcagtc | cttgtaacaa | gtgcaaagga | 194280 |

| | | | | | | |
|-------------|-------------|-------------|-------------|-------------|-------------|--------|
| gagagagagg | ctgagttttct | acttctataa | ataaacccctt | ggcaggcgga | tcactaaagg | 194340 |
| aacacaagtc | aatataaacc | tttagacatg | gggctgccaa | acttcacttt | tcgacagtat | 194400 |
| attaattatg | tagtcaatag | ccatggggtt | cattagcgta | ttaaatacca | cgatcaatat | 194460 |
| tattttatact | tttcgaagac | aagccactca | gggaaaaaat | ggtgggggga | ggaggaggaa | 194520 |
| caatttgacc | ctgtagttca | aaaaaagtca | gaacagcaca | ctagagatta | gcaagggttt | 194580 |
| aatggaaggc | ataaaacact | ggaaatatgg | acagaaatca | gatccctgcc | ttcatttttc | 194640 |
| tgcctttttac | aaagagactg | gaggggaattc | agaaactatt | taaaataaag | gcaaaatgat | 194700 |
| tagagcccct | ccctcccctc | agctgcttaa | cactgygggt | gtgggtggacg | caaaaataagc | 194760 |
| attgagctct | aagtgataga | tgagaatcag | aacaggaaca | gtgttttttga | ggcaaaaatat | 194820 |
| gtccaagaga | attcaaagaa | ctgtgggcca | gaatctactt | aggcagtcct | ctgggacccg | 194880 |
| aatccctcac | aggcggttaac | agtggaaacca | atttccaagg | cagccctgct | ggtgatctga | 194940 |
| tttttgagta | gggaaatctg | ttaaacatcg | tcccacgagg | gagcccagct | ctttcactcc | 195000 |
| ccacggggtt | ctacatgcag | ctgtgctaga | tctgtgaag | tggccggtga | ggaggtgtgg | 195060 |
| ggattgggtt | agcgacctca | gaggacattc | ttgttacta | gccctcgtgc | actggggcga | 195120 |
| tgaccgaatg | ctgtgagcag | gagatatcaa | aggccggcta | ctggactgaa | aactagatca | 195180 |
| ccatctctaa | cctgcaattt | gtcaatctca | gacagcaatg | aagactgtga | ttttctagtc | 195240 |
| aacgctttgt | aagcaagggtc | agatagaggc | tccataaaaa | ttgttcaggg | ttcaggcaga | 195300 |
| gaatcaagtg | taactcaatc | cctatctcct | gagattaggg | aagggaagga | aggctgtgtc | 195360 |
| tactaaacca | gtgagcctca | agcaaaagcct | gtctgttctc | agcaagggtga | gccacccacc | 195420 |
| aaagatgcca | acagctaagg | gccagggatg | tagtgcaggg | tgctgtgata | tcaacagctg | 195480 |
| ggagacagaa | acaggaggat | caggacttca | aggtagtttg | ggctataaaa | tataagcttg | 195540 |
| aagctaccca | cttgaagact | gtccccaaca | aaacaaacaa | gctgggtatg | tggtgcgatg | 195600 |
| cttgtatttc | tagtgtatga | gacgaaggaa | gaaagctcaa | gcccagagacc | tgcttgggtt | 195660 |
| acatagggaa | gatgggtgct | caaaaaacagg | acagccgagg | agcagacaga | cagggcagac | 195720 |
| agggtgcatc | gatctaaatc | cacatacctg | gatttaaagt | aatatctggg | agactgggtc | 195780 |
| gtgagggccg | ttccagagat | ttaataaaga | cccaccctga | ctgagtatgg | gcaaacacca | 195840 |
| tgggtggccc | aggggtccag | actgaataaa | gggaaaatgg | gaggaagttc | agctggtagt | 195900 |
| gtttccaagt | attaggacca | cagcctggcc | cctggcatgt | gctggccagc | tagtctagct | 195960 |
| ccagtatcaa | gcttcaggcc | agcggcaggg | cactggacag | ttcccacaca | cgacacacac | 196020 |
| acacacagag | cactagcatt | cacctcctgg | tctcttcttg | acaacagata | aaatgtaact | 196080 |
| ggctgccaca | gtgagagtc | cctaccttcc | tcaccgttaa | ggatggtaca | aactgtgagc | 196140 |
| cagcagcagc | catcttccca | gtaacttgct | ttccacagat | actgttatag | cactaagaaa | 196200 |
| agcaactgaa | acatgggggtg | ctgtgacccc | ttggcaccac | aaagccatgg | caagctgaag | 196260 |
| tgcacacatc | acaggccagg | cctgaagatg | ctgggggact | gcaatgctgc | ctggattctg | 196320 |
| gcagagatgt | gcagcagatg | ccaagagggtg | ggctgcagca | accagagata | attaatatga | 196380 |
| ttaggaacac | actgagcagg | catgctcttg | ccgaatgaaa | agcctcgag | tgtaatgact | 196440 |
| gttttcttcc | tcgatcacgg | tctccacggt | tcagagttgg | cttgggtgta | ggctgccgcg | 196500 |
| taaacatcaa | tccaaccccc | aggggcccaga | tcacgggtgt | tcttgggctc | aatcgccctt | 196560 |
| ccttttgtgt | tttcattcat | ttaaagatgc | attccagggt | tgcaaacatt | agtgagaatc | 196620 |
| atctccaggc | ctcagctcaa | tctctgagtc | tgtaattgag | taacatcttt | ccctagtga | 196680 |
| tatttattat | gaaggcta | taattgcttt | ccagttacaa | gaatccttta | cagtcгаааа | 196740 |
| aagtaggatc | cacaaagata | tactgtttat | tcaaacaaag | caaaggaaac | aaagcttctt | 196800 |
| tcttaaattc | tatttaacat | agctttaata | aaggtacaca | ggtccgcctg | gcaaccgaac | 196860 |
| ggtaactgat | gcaaaactgaa | gccatgctct | gtagcagcct | ggatgtccca | gtgccacctc | 196920 |
| tgtctgcagg | ctttgtcgga | tttactaaga | ttctgttatc | ttcaaacagg | gattgtgtct | 196980 |
| caagtaactg | accccactat | gtggataatg | aagtaaatga | tgcaattttg | gggtttgctt | 197040 |
| ttccccaagg | ggacagcaag | ccagtgcctta | tcagccgtcc | tcagaggaga | caattctgat | 197100 |
| taatatacga | gtcatctgac | tcagtctatt | aaacctatca | aacctgaag | gaaggatatt | 197160 |
| catagattaa | cgataggcct | ttgattaata | attctacctt | gttgccattc | taagcattaa | 197220 |
| caaccatgca | gtaactctgc | aaaacagacc | ctttgattcc | aggcagacgc | accctctgaa | 197280 |
| cacctgggtt | ctccccctact | cttctcccc | caggaggaac | tcaagacaaa | aagggtgccac | 197340 |
| cactggaaaa | gcacactcca | ggttacataa | tttgctcat | tatccagagt | gggtttaatg | 197400 |
| acttgtgaca | taatttctgt | ttgaagataa | caaaatttca | tgaaatccga | caaagccgga | 197460 |
| aggcaggagg | aggggactgc | tgccacacta | ccggtggctg | agaactggag | cggaagggtc | 197520 |
| acacacagcc | ctctgagctc | actgtccttg | cttatcagtg | agtcccaaga | ggggcccaga | 197580 |
| tgggttgcca | gcctcccccta | gaggatcttc | attgtggagc | tgtcccatgg | ggcgggaagg | 197640 |
| aagccattct | atttctgttc | ttctctcttc | cgttctggcc | accagtggta | cttgctccca | 197700 |
| tcacatgttc | ttcctgatgt | tcgcatcag | ccgtctgcca | tagtctctga | agtcacaggg | 197760 |
| cttcacgtcc | atcacagtgg | ccttaattcg | agattcatcc | tttagaaaag | agagaagctg | 197820 |
| tttgtgagtg | gcagagcctg | gcgtgcagcg | gaagagagaa | ctttctttgc | ttcagtggct | 197880 |
| tcaatgagtc | cagcaggaag | aaggaaagtt | tacaagtctc | agagagaaa | tgctgtgact | 197940 |
| tcctggagtt | gggccagatc | ctcttcacac | gaccctttcc | ccatcctagg | tgccctgtgc | 198000 |

| | | | | | | |
|-------------|-------------|------------|-------------|-------------|-------------|--------|
| tcagacctag | catcctcccc | gagaagcctc | tgtctttcta | tgggtgcagt | gggggcccag | 198060 |
| agcagacagg | taactcacc | taaagcatca | ctttcatcta | gaggagctct | gtggtagtag | 198120 |
| ggactgaggc | ttctgctcca | gctctgggca | aggttacttc | tctgctcttc | accattcctg | 198180 |
| tccatcccag | gaagacagaa | aatccctaca | ctctcccttg | atctaccoga | ctttctgaca | 198240 |
| cgagcctacc | tatgttcatt | taatacaaca | actaaaatat | ctattcacag | gcactaagct | 198300 |
| ggtgataacg | cagaatgcac | aaactctgcg | gctgcagggg | agacggcaga | gttcctcctc | 198360 |
| cacttgcttc | cttgaactaa | acagtgtctt | tgaggcagaa | cagggtgaca | cctagggaca | 198420 |
| cacaagtcta | gctggggggc | ttcatgcttc | catgtgctta | gtaattaatt | actacatgca | 198480 |
| ccgctgttta | caagtatggg | taggagcccg | actgcctggg | ttggcctctc | gcctctgcca | 198540 |
| ctccatggct | ttaggttcag | agtcattctc | tgcatgcctc | tgctgtcttc | tccgttggtg | 198600 |
| aagcttgcaa | caacagctcc | aacacagaaa | gtgctgtgag | ggtcgacagt | ggatagatgg | 198660 |
| ctagatagat | ggggcaggac | ggactgtcca | gtaagcaggg | ttcatcatgg | ctatgcagct | 198720 |
| ctggacatca | ggattagttt | aaacacttgt | caggtggggc | acttttacca | gcacgtgcta | 198780 |
| tttgtttaat | attctgagtt | ttagaacctt | aactgtggga | aacaagagtc | cacacataac | 198840 |
| annnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | 198900 |
| nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | nnnnnnnnnn | ngccttgaac | ttgcttctgc | 198960 |
| ctcctgctgg | ggttacagge | ttgagccacc | atgacagctt | tagcaatagc | tttgtaaatac | 199020 |
| cacagtgtca | agctggatat | gatggcacat | gcttgcaata | ctaacctcca | aagattccct | 199080 |
| gaactcgagt | tggtgaaata | gtccaccagg | taaaagagct | tgctgcccac | gcctgaatct | 199140 |
| gattccctgg | tcacatgctt | taaggaaaga | acttgccgaa | gatgtcctct | gagtgccacg | 199200 |
| tgtaccgatg | catgcttgca | gccacccaca | caccacacac | agtgcactgt | ctcacacagt | 199260 |
| gagaacagat | agtgaacaaa | caaacaagcc | gggggggggg | ggattgtgac | cagaataatt | 199320 |
| gagggggggg | gtaaagctct | tggcaggtgg | ctggctcctg | gtaacactcc | ataagtgggg | 199380 |
| aagttccaca | tgtaagggtca | tgtgatcgag | tacatctggg | cctccaacag | tccttgngga | 199440 |
| agaaacagat | gcagtctgtc | atatctaaac | catgtgtgtc | gtatctctgg | gtagtctttc | 199500 |
| ttttctcctt | cctttctttt | ttctctccct | ttctctttta | aaaaattatt | tattttattat | 199560 |
| tatatctaag | tacactgtag | ctgtcttcaa | acacaccaga | agaggggtgtc | tgtcagatct | 199620 |
| cattatggat | ggttgtgagc | catcatgtgg | ttgctgggat | ttgaactcag | gaccttcaga | 199680 |
| agaacagtca | gtgctcttaa | ccgctgagcc | atctctccat | cccccaacct | ctttctcttt | 199740 |
| tgagttaggt | tttgtgtagc | cctgggtggc | gttaccttaa | ctacactggc | tttgaacttg | 199800 |
| caatgataat | ctgcctgata | tgtcttaata | atttttgagat | agggactcac | tacatagcct | 199860 |
| ttgctgggtc | ggaactaaca | gagatctgcc | tgtttctgcc | ttgcaaatagc | tgggaataaaa | 199920 |
| gttatgtacc | accacacctg | gagtttaagg | gttttttgtt | tgtttgtttt | tcgagacagg | 199980 |
| gtttctctgg | gtagtctctg | ctgtcctgga | actcgctctg | tagaccaggc | tggccttgaa | 200040 |
| ctcagaaatc | cgcttgcttc | tgcttcccaa | gtgctgggat | taaaggcgtg | tgccaccacg | 200100 |
| cccagtttaa | gggttttttt | ttgtttgttt | tttcttgaga | cagggtttct | ctgtgtagct | 200160 |
| ctggatgttc | tggaaactcac | tctgtagagc | aggttagcct | tgaactcaga | aatctgactg | 200220 |
| cctctgcctc | ccaagtgtct | ggattaaagg | cgtgtgccat | caactgcccag | tgattttttt | 200280 |
| ttttttaatg | tgtgtatttg | tatgggtgtg | tgggtgcttg | tggaaagccag | gtgtcagatc | 200340 |
| cccagagcgg | aagtgttctt | aaccgtgtaa | ccatctctct | tccctcttcc | ctaactctga | 200400 |
| ttttaaggcg | accaaactct | taggtagggg | actatacaca | cacacacaca | cacacacaca | 200460 |
| cacacccgta | cacacccgta | cacaccacat | gacctgcctt | gagcacacaa | gtgggttttat | 200520 |
| tgctgggtct | gcctgtgtat | gagctggaac | caaaaccttt | gtcgggagat | ccgcagtctg | 200580 |
| cagtttgagc | acaggctctc | tggtttctgt | tctctgtcct | gtgtcgcata | ttgactagag | 200640 |
| gcagagaagc | atctgcaagg | ctgtgaccac | gctggctggg | gctctgccat | ctacattttc | 200700 |
| aacaggaaat | ctcaggagag | tatttctctt | taagaacgcc | agacttttgt | gcctggggcca | 200760 |
| cttctctact | ttccagaaca | ttgtgtgcca | agtggcaagt | tattaaccaa | gtgctttgga | 200820 |
| aaattaaact | ccttggtttg | cagagtagca | tgggagcatt | gagagggtgt | atgcctaaag | 200880 |
| gcctggttct | gctgctggca | gagctgacac | ttggctaaag | ggctggcatt | tctgagatga | 200940 |
| gctcactag | atccgcgtct | cagagtctgc | aggagaaatc | agagagggga | gaagggtccag | 201000 |
| tggcctgttc | aggatgatct | tcctctgcat | ttaaggggcg | ctggtttgcc | cacgtagccc | 201060 |
| cagaaccaa | cgagcctcgg | acgaagcccc | ctaaaggcag | taggagagac | tgagccttgg | 201120 |
| ctcttcagca | ggggtgggga | caagagcaag | aggcgggata | tcgcccggcc | ctttagagac | 201180 |
| acgtgcgggt | gtttccgtgt | ctgggagatc | acatgaccgc | catcagctga | cccgtcacgg | 201240 |
| tggagctcag | cgctgggtgt | tcgcgctccc | cgccctgctg | cgccccggag | cgcaggaccc | 201300 |
| tgcggagggg | taagaaaacc | cccaggcttt | ctttcctttg | tcgctgggtc | gcgcagtcac | 201360 |
| ctgcacccta | ccccccgctc | ctcgttcctc | ccagtcttcc | cggcctggca | ccccggaagc | 201420 |
| actgcgcagg | agggccgtgg | ccaggctcag | cccttgctgt | ccccaggcgc | cccaggacca | 201480 |
| aatggcccag | gggagcagaa | ggcggaaagt | ggttctttaca | gcaggggtccg | agggctgggtc | 201540 |
| cccttcctca | gggacctgaca | tggaggagct | gctccggagc | gtggagagag | atctgaacat | 201600 |
| tgatgcccgg | cagctggccc | tggcgccggg | gggcactcat | gtagtggccc | tagtgtccac | 201660 |
| gcgttggtctg | gctagtctcc | gggagcgccg | actgggaccc | tgtccccggg | ctgagggcct | 201720 |

| | | | | | | |
|-------------|-------------|-------------|-------------|-------------|------------|--------|
| gggtgaagca | gaagtcagga | ctttactgca | acgttcggta | cagaggctgc | ccccaggctg | 201780 |
| gactcgagt | gaggtgcatg | ggctgcgga | acggagactg | tcctaccgcg | tgggtggagg | 201840 |
| cgtgcccttt | gaggaggggt | cctgtagccc | tgaactcttc | actcgggttc | tgaggagggt | 201900 |
| ggctgcccag | aattaccgga | acctgtggcg | ccatgcatac | cacacttatg | gacagcctta | 201960 |
| cagccacagc | actgccccct | cagctctacc | tgccctagac | tctatacgac | aagctctcca | 202020 |
| gaggggtgat | ggatgcacct | tcttgccagt | gggtgaatcc | atcccatgtc | tatcaaagt | 202080 |
| cagggatggg | ccctgccccct | ctcggggcag | ccctgcctgc | cccagccttt | tgcgagctga | 202140 |
| ggctttgctg | gagtcgcccc | agatgctcta | tgtggtacac | ccttatgtgc | aattctccct | 202200 |
| gcatgatgta | gttaccttca | gcccctgcaa | gctgaccaac | agccaagcca | aggtgctctt | 202260 |
| tcttctcttc | cgtgtttctga | gggccaatgga | tgctgtcac | cgccaggggc | tggcctgtgg | 202320 |
| ggctctgtct | ttgcaccaca | ttgctgtaga | cgagaagcta | tgagtgagc | tccggctgga | 202380 |
| cctgagcgct | tacgagatgc | cttccgagga | tgaaaaccag | gagggctctg | aagagaaaaa | 202440 |
| tgggacaggc | attaagtctg | aaaaagaggg | ggaagggaga | actgagtgtc | ccacgtgcca | 202500 |
| gaaagaactt | cggggccttg | tgctagactg | ggctccatggc | cgaatcagca | acttccacta | 202560 |
| cctcatgcag | ctgaatcggg | tggcaggtcg | acggcagggg | gatcccaact | atcacccagt | 202620 |
| gctgccctgg | gtgggtggact | ttaccacacc | ttatgggcgc | ttccgagacc | ttcgtaaact | 202680 |
| caagtccga | ctcaacaagg | gagataagca | attggacttc | acctatgaga | tgaccgagca | 202740 |
| ggcatttggt | gcaggtgggt | caggaagtgg | ggagccaccc | catgttcctc | accacatctc | 202800 |
| tgacgtgctc | tctgacatca | cgtactatgt | atacaaggcc | cgtcgcacac | cgcgctcggt | 202860 |
| gctctgtgga | catgtccgag | cgcagtggga | acccacagag | tatcctgcca | ccatggagcg | 202920 |
| gatgcagacc | tggacaccgg | atgagtgcac | acccgagttc | tacacggacc | cctctatctt | 202980 |
| ttgctctatc | caccctgaca | tgcccgcact | ggatgtgccg | gcctgggtgca | gttctaacca | 203040 |
| ggaattttgtg | gctgcccata | gagccctcct | ggagagctgg | gaggtgtccc | aagacctgca | 203100 |
| tactggatt | gatcttacct | ttggctacaa | actccagggc | aaagaagctg | tgaaggagaa | 203160 |
| gaatgtgtgt | ctgcacctgg | tggacgctca | cacccatctg | accagctatg | gcgtggtaca | 203220 |
| gctatttgat | cagccacacc | cccaacgcct | ggctggatct | cctgccctgg | cccctgaacc | 203280 |
| tccactcatc | ccccggctgt | tggtcacagc | tattcgggag | gccacaggcc | aggaggacat | 203340 |
| ttcaggacaa | cttataaatg | gtgcgggagc | gcttgctgta | gaggccactc | catgtgagac | 203400 |
| tggctggact | agagataggc | ctgggacagg | agaagatgat | ttagaacagg | ctacagaagc | 203460 |
| tctggattcc | atctccctcc | ccgggaaagc | agggtaccag | ccaggctctt | cctccagtca | 203520 |
| agcatcacct | ggcctgttgt | ctttttctgt | accctcgggg | tctcgaccag | tcctgaggag | 203580 |
| caaagctgcc | gggttgagcc | ctggggaggg | tgaagagggc | aagattgtcc | ttccagaggg | 203640 |
| cttcagtcct | atacaggcct | tggaaagagc | ggagaaagtg | ggtaacttcc | tggccaaagg | 203700 |
| cctagggagc | cagttggagg | agcctgaaaa | gcctcacgcc | cagccacctg | tgacctgca | 203760 |
| gagcctcttc | catcgagaca | tgcaggctct | gggtgtcctg | ttggctgaga | tgggtgtttg | 203820 |
| caccagggtc | cggatactgc | agcctgatgc | acctttgtgg | gtacgctttg | aggctgttct | 203880 |
| gggtctctgc | atacgccact | ccaaggacat | ccccgtgtct | ctgcagcctg | tgctagacac | 203940 |
| actcctacag | ctgagcggag | ccaaaagtcc | catggtgtcg | aagaagggca | agctagaccc | 204000 |
| actgttttag | tataggccgg | tttcccaggg | attaccccca | cccagcccag | cccagctcct | 204060 |
| cagccctctc | agctccgtgg | tccccttccc | tccatacttc | ccagcactgc | acaagttcat | 204120 |
| tcttttatat | caggccgggc | gtgtggagga | tgaggtccag | ggtcggggag | tggcgtttgc | 204180 |
| tctgtggcag | cagctgggtg | cggtgttaaa | tgacatcact | cccagagggt | tagagatcct | 204240 |
| cctgcctttc | gtgctgtcgc | tcatgtctga | ggagcacacg | gctgtgtaca | cagcctggta | 204300 |
| cctatttgaa | ccggttgcca | aggccctggg | ccccaaaaat | gccaacaagt | acctcctgaa | 204360 |
| gcctctcatc | ggtgcctatg | agagcccctg | ccgcctgcat | ggccgcttct | acctgtacac | 204420 |
| cgactgtttt | gtggcccagt | tgggtggtcg | gctgggcttg | caggccttcc | tcacccacct | 204480 |
| gctgccccat | gtcctccagg | tactggctgg | ggtggaggct | ttccaggagg | agggcaaagg | 204540 |
| cctggtcggg | accactgagg | atgaggaaag | tgagctcccg | gtgtccgggc | ctggctcctg | 204600 |
| tgcttttggg | gaagagattc | agatggatgg | gcagccggct | gcttccctcag | gactggggct | 204660 |
| cccagactac | aggtcgggcg | tcagcttcca | tgaccaggcc | gacctgccgg | acacggagga | 204720 |
| cttccaagct | ggactctacg | tggctgaatc | tccacagccc | caggaggctg | aggccgtgag | 204780 |
| cctggggccag | ctgagtgata | agagcagtac | cagcgaagcc | ttccaggggc | aggagagggg | 204840 |
| tggggatgat | ggcggtgccc | ctgcggacaa | gaacagcgtc | aagtcagggg | acagcagcca | 204900 |
| ggacttgaag | cagagcgaag | gctctgagga | agaggaggag | gaggaaggct | gtgtgggtgt | 204960 |
| ggaggaggac | caggaggatg | aagtcacggg | aacatccgag | ctcactctgt | ctgacacgat | 205020 |
| gctgtccatg | gagacgggtg | tggctcctgg | tgatgggaga | gacagagaag | aggaagagga | 205080 |
| gccgctgaca | gagcagacag | aaggcaaaga | acaaaagatc | ctccttgggt | agcccgtggg | 205140 |
| ctgagggggc | atgggtcagg | tgcttttccc | tcaggctctc | atatgctggg | tgtgggtcca | 205200 |
| accagatcca | ctgtagcacg | cacagccaca | gtcagacaca | gtgcatggaa | tgtgggaagt | 205260 |
| ctgtgtgtga | gtggaaagtg | gggcttagat | ttagctttca | ggagacagaa | agctccttta | 205320 |
| aaagccatac | cttgggctga | ggctgggagt | ggagttgagt | ggtagagcac | ttgtctggta | 205380 |
| tactcgaggg | ccctgggtgt | cttatctcta | gccccagaag | aagtattaa | aaataaaaag | 205440 |

| | | | | | | |
|-------------|-------------|-------------|-------------|-------------|-------------|--------|
| aagtgggtggt | tgagatgtga | atggagccag | aactggccgg | aacagtcggg | tgggaagtggg | 205500 |
| aagagtgttc | cagacagggg | acagtgtgtg | tgtacctctg | aggctctcat | ggttccatca | 205560 |
| gagaggcagg | gaaaggctaa | aatgggtttc | ttaagagagt | ccagaagggc | tgggcttggt | 205620 |
| ggtgcaggcc | tttaatccca | gcactcagga | ggcagaggca | ggcggatttt | tgagttcgag | 205680 |
| gccagcctgg | tctacaaagt | gagttccagg | acagccaggg | ctatacagag | aaacctgtc | 205740 |
| tcgaaaaaaa | aaaaaaaaaa | aaagagtgtg | gaagggtgga | agccaggggac | aagtctgtac | 205800 |
| aagaagggaac | ttggggagcat | tgccgaaagg | atgacctctc | tgcagggtcct | gccccaggag | 205860 |
| ccagtttctg | gggaccttga | ccatggctag | gtgaatggac | ccaggatggg | atgggtcaggc | 205920 |
| ttgctagcag | agccacagcc | gagttggctg | ggtgggggtg | ggtgggggtg | gaagggtgag | 205980 |
| ttatctgatg | agctcaggac | cttttcctgc | cctgcagata | cagcctgcaa | gatgggtccgc | 206040 |
| tggctgtctg | ccaagcttgg | ccccacagta | gcctctcgcc | atgtggcccg | gaacctgtctg | 206100 |
| cgctgtctga | catcttggtta | tgttggttaa | gtctgtgggt | agtgtctggag | accaggttcc | 206160 |
| ccagccaggc | ttctgccccat | ccttagccct | ctctaggcga | ctccttcctc | aacttcccag | 206220 |
| cactccctga | gcagggcctg | ggtctcacc | attaagctgg | gttttcttgg | gtaagtgggg | 206280 |
| aagagcccag | tattgaatga | atagaagcca | ccccacagtc | tcagaaggcc | ggcttccctc | 206340 |
| ctgccctcca | ctggcttctc | aacgctgctg | cccttccttg | gtagggccca | ctcgacagca | 206400 |
| gttcaccgtc | agcagtgatg | acacccctcc | actgaatgcc | ggcaacatct | accagaagag | 206460 |
| gccagtccta | ggtgacatcg | tgtcggggcc | tgtgctcagc | tgcctcctcc | acattgccta | 206520 |
| cctgtatgga | gaacccgttc | tcacctacca | gtacctgccc | tacatcagct | acctggtcag | 206580 |
| tccttggttc | gtcaaacc | ggcttggggg | tgggggcaag | gatccaagga | ccagccccag | 206640 |
| gtcttggggg | ttccaggagg | tctgtggggg | gacctgtccc | tccctcatct | attctgtgggt | 206700 |
| tctaggtagc | cccaggagc | aactcaaac | ccagcgcact | gaacagccgc | aaggaggccg | 206760 |
| ggctgtctgg | agcggtgaca | ctgacgcaga | aaatcatcgt | atacctctct | gacacgaccc | 206820 |
| tcatggacat | tctgccccgc | attagccacg | aggctcttgc | gcctgtgctt | ggcttcctca | 206880 |
| cctccttctg | cacagggtag | gcccctgctg | cttgggagag | ccacctggct | gagggggccc | 206940 |
| ccaggaagg | ctaggaagct | cagggagaag | cagataccgg | cctgagtcac | ggttctgatg | 207000 |
| ttgggggtag | tggcacaggt | ctttcattcc | agcaccaga | ggaggggcaag | tttctgtgag | 207060 |
| tctgagacta | gcctggtcta | cagagagagc | tccaggctat | ctaaggctcc | atagtaagac | 207120 |
| tctgacttaa | gaaaagagtc | gtggttcatt | ctgggttgtg | ggtgtggctt | ggtgatggga | 207180 |
| cactttccca | gcatgcagga | ggagctatgc | ttgagttcca | gcccttcaga | aaaacaaaaa | 207240 |
| tgggggctgg | aaagaatagc | tcagggttta | agagcactgg | ttgctcttcc | agaggatcca | 207300 |
| ggttagattc | ccagctgcca | catggtagct | cataaccatc | cggcagttct | atggaacctg | 207360 |
| ccacctcct | tcggtctctg | tgggcactgc | aaacatgtgc | acagacatac | atgcaggcag | 207420 |
| aaaaaacacc | catacacata | aaattagacc | aaaaaagttc | atgttctctc | ctacctgtag | 207480 |
| ctctgactaa | gctacactgc | ttccctgtgc | ctcagtttcc | tcccctgggc | tggactgatc | 207540 |
| agccttacat | gcagctcctg | ttatttgaa | ttcctggtaa | attgggtcaag | tccttcagg | 207600 |
| aagggtctgg | aactcttgca | ctttgattct | aggttcccca | gtggggccca | ggccccgact | 207660 |
| gtcctatg | tgaaaacat | cagtctcatc | gccctcatct | gcttgcgcat | cgggcaggag | 207720 |
| atggtccagc | agcacctgag | tgagccagtg | gccaccttct | tccaagtctt | ctctcatctg | 207780 |
| catgagcttc | ggcagcaggt | aggcaggcag | cttctgggct | gggtggggcca | ggccaggcca | 207840 |
| ggccaggcca | gggcagtgga | cccactgga | ctgtggtctt | cctaccgcga | ggatctgcca | 207900 |
| ctggatccta | agggctgtac | tgaggggccag | ctgccagagg | cgaccttctc | tgatgggcag | 207960 |
| cgacgaccag | tggacccac | cctgctggaa | gagctgcaga | agggtgtcac | cctggaaatg | 208020 |
| gcgtacacaa | tctacgtacc | tttctcctgc | ctggtgggta | ttgcccatac | cgttcctttg | 208080 |
| cacagagttg | gtgactacat | ctcttccctg | gggtggggcc | cgatgctttc | acctccagag | 208140 |
| tcagcaatgg | aatcttttta | tttttatttt | gacatgggg | ctcatttagc | ccaggctgac | 208200 |
| ctttaactcc | agctccttcc | agcttccacc | gtctcctgtt | ggcattgtag | tcatgtggca | 208260 |
| ttgctcaggc | ttcttncatg | ttcttatttt | taaatgacct | gtgtgtgtgt | gtgatatctg | 208320 |
| tgtgagtgtg | gaggtgacag | aataacagtt | ggggggctcag | cagatgcctt | gcctgatgag | 208380 |
| catctctcta | gatccagttt | ttggttttgt | gggcttttat | gtgtgtgttt | gtttgtctgt | 208440 |
| ttttgtagac | agggctctctc | tgtgtagcct | ggccatcctg | gaactcattc | agtagaccac | 208500 |
| gctggccttg | agctcacaga | gattcacctg | cctctgcctc | ccagtgtctg | gattaaaggc | 208560 |
| gtgtaccact | cctgcctggc | tttgtttttg | ttaaccacca | tctcctgcc | tcagcatctg | 208620 |
| cctccccctg | gctgggatta | caggtgtgtg | ctatcacacc | cagctaacag | tggatttaaa | 208680 |
| cgtaggaatt | ttaggatcag | agtgaccaga | tttggctcta | gggcccatt | tccacagtga | 208740 |
| ttatctatct | tagttaggat | ctctgttgaa | aatcatggtg | gaacatcatt | accaaagtga | 208800 |
| acttggggag | gaaaagggtt | atthtgtctg | acaactctca | ggtcaccaag | ggaagtccag | 208860 |
| gcaggaaact | gaggcagaag | ctgaagcaaa | agccatggaa | gaactctggc | ttgttctca | 208920 |
| tggcttgctc | agtctggtgt | acccctccc | acccacctc | cccacaatgg | tttctctgct | 208980 |
| tatgcctggc | tgtcctagaa | ctcactctgt | agactaggct | ggcctcaaac | tcaagagatc | 209040 |
| ccccctgctc | tgcactctca | gtgctaagat | taaaggcggg | tgccatcacc | cctgccccag | 209100 |
| gggtggcact | acccactgta | aattgggtccc | ttcccatatc | agttgttaaa | taagaaaact | 209160 |

| | | | | | | |
|-------------|-------------|-------------|-------------|-------------|-------------|--------|
| cctccatagg | ccaatctggt | gggggaattt | tctcagttga | gggtttctct | tctcaaataa | 209220 |
| ctgtagctga | tgccaaattg | ataaaacaaa | tctcaaacca | ccaccaccaa | caacaataaa | 209280 |
| accaaacaaa | ccaaacaact | aaccaagaca | gtgacttata | aagagaatct | gaacattttc | 209340 |
| cagcaggaaa | ggctcaggag | ctggccattc | aagtctgggg | aacagaatgt | aggggaatat | 209400 |
| gatggtctcc | agaagctacc | tgcaaaggaa | tgaacagctt | gctgggtttt | gtggcttccc | 209460 |
| ttatgggatg | ggcgtgtac | tgggcttctc | tctgagtagg | atgggccacc | ctgtagttgg | 209520 |
| gaatattttg | ctcctacaga | attgtaagtt | cccagaggca | ggacacatct | gtcttattct | 209580 |
| tcattgtgtg | tctgatgcta | gaatgggtgcc | tggcatacac | gtgtgtgtct | ctatagagac | 209640 |
| agcactcatg | tctacgtatc | gataaaggaa | gctgttttgg | ggggaggaaa | caggcttaca | 209700 |
| gacgagaact | taataaccca | gagtagccca | gtcagtagct | tgcttgggct | tctgttgttt | 209760 |
| ctaagctctg | ggtagatagc | taccttgcca | tcttccctga | tcttagaact | ttccccactc | 209820 |
| ccctgtaggt | gacatcatcc | ggaaaatcat | ccccaaccat | gagttgggtc | gggagctggc | 209880 |
| agggctctat | ctggaaagca | tgagcccgag | ctctcgaaac | ccagccagca | tggaaaccac | 209940 |
| catggctagt | gccggccctg | aatgggaccc | tcagagtggg | agctgtctcc | aggacgatgg | 210000 |
| ccactcaggg | acctttggga | gtgtcctggt | tggaaatcgc | atccagatcc | ctgactctca | 210060 |
| gccccagagt | cctggggccac | tgggctccct | ctctggagtg | ggtagtagcg | gaggcctcag | 210120 |
| caacaggaat | gaagacaacg | ccctgaagcg | ggagctgcct | cggagtgcc | atgggctgag | 210180 |
| cgggaactgg | ctggcgctact | ggcagtagca | gatcgggtgt | agccagcagg | atgccacttt | 210240 |
| ccacttccac | cagatccgcc | tgcagagctt | cccagggcac | acggggggcc | tcaaatagct | 210300 |
| ggccgccttg | agcagtgaag | acttctttct | gagtggcagc | aaggaccgga | ctgtgcgcct | 210360 |
| ctggccgctg | tacaactatg | gggacgggac | caatgagacg | gcttcccgcc | tcatctatgc | 210420 |
| ccagcaccgc | aaaagcgtct | tctacgtggg | ccagcttgag | gccccgcagt | atgtggtgag | 210480 |
| ctgtgatggg | gcagtgcacg | tctgggaccc | cttcacaggt | gagcggggcc | aggtgaggcc | 210540 |
| tgctcgacgg | ctgctttact | gtgccttagc | caggcctctg | ggaacgggac | ctagtgcgaa | 210600 |
| acgtacaatg | gcgtattttg | acggggaaga | ttcagtggag | caggaagaga | agaagagtca | 210660 |
| ggacttagaa | tctgtgggac | ccaagtttga | atccactccc | ccaacttacc | agcaatcggc | 210720 |
| tcagttgctg | caggcgtctg | ccttctacct | gtaagaacca | aaaattttaga | agattccacg | 210780 |
| agtatggctt | tggcttcttg | tacgacgtca | cctgtcgtcg | ttgtaaagag | aagtatcgag | 210840 |
| tggaggaggg | tcagggcaga | cggaggtcgc | agctagttag | agcatgctat | gtgaagagag | 210900 |
| cagactgttc | tggggctgga | cccttgactt | cactgtggaa | gcagcaagat | gagaaagccc | 210960 |
| tgagattgtg | ttttctgagg | gtcactgggg | aattgggatgc | aggtgtgggg | tgagttggag | 211020 |
| tttgaagtga | ccagggtctt | ttgatagcca | ctaagtcccc | agatgtgtcc | tttttcagga | 211080 |
| aagacccttc | gcacagtggg | tccttcagac | agccgggtgc | ccctgacggc | tgtggctgtc | 211140 |
| atgcctgccc | cacacaccag | catcaccatg | gccagctccg | actccactct | gcgctttgtg | 211200 |
| gactgcagga | agccaggctt | gcaggtcagg | aggggtgcag | ttcctgggct | actgggggtc | 211260 |
| tctaggtacc | agtcaggaaa | gacactcagg | ggactccacc | aggaacgctg | cagtgcacag | 211320 |
| cagccctgtg | tgggtggggc | gctggcacgg | atggggcttt | tctcttccgg | ggatggagtg | 211380 |
| ggagggtcag | gcctactggt | ttcgtggggc | tgaatggggg | gagctgcagt | aggggtgggtg | 211440 |
| gcagtgatgg | atggcgacgg | gcacttgaac | acaatctctc | cctatagcat | gagttccgac | 211500 |
| tgggtggagg | gctgaacctt | gggcttgttc | gctcgttggc | cgtcagcccc | agtggtccgga | 211560 |
| gtgttgtggc | tggttctccc | tcgggcttca | tgggtctcct | agatacccg | acgggcctgg | 211620 |
| ttctacgagg | ctggccagcc | catgaagggg | acattctaca | gatcaagggtg | actgactgcc | 211680 |
| tgaggtccta | tcctttcatt | tctacttagg | gcctggtctg | ggagaggaca | ggtttatgct | 211740 |
| ggtgtccctt | ataactactc | ggggacattc | agtgggggtg | gaaaatggcc | ctcgtaggcc | 211800 |
| agctcaggaa | ccagctgcac | aggaggcagg | ctaggggcag | gaatcagggc | tagaactgac | 211860 |
| cctgatgctc | cacagcgatg | ttctaattgag | taacccttgt | ccatatattgt | cttgcttggg | 211920 |
| ggatcagggg | tcacgccttg | tccgtgaccc | agtttcagggt | aaataaagcc | aggaggctgt | 211980 |
| ttactgcctg | gagaccactg | agcagagtcc | atgccccctg | ctgggctgtc | ctgatggggg | 212040 |
| gcaggaacag | gcgcaggcct | gcgcacgtg | ttcctgcctc | ctatattcaa | tcatagacct | 212100 |
| cagagctcag | cagggttctg | gaggggagaa | atagggtctg | ttgtgggagg | atttctccct | 212160 |
| gcagtgggaa | ctctcctccc | ccgccgtcca | gatggagggtg | aaagacaggc | actgttgctt | 212220 |
| acagggaagg | caggctgccc | ccagctctat | ccaggacccc | aggggaccct | gggtctcagt | 212280 |
| gtctctaaat | cccaacattc | taagaaagtg | tcaggatggc | tctggggcca | tcctgggtgt | 212340 |
| tagtcccagc | tctcggagtc | ttctctgagc | accagttctt | ttcctatggg | aagtaaggac | 212400 |
| atgccagggtg | ttctttgaga | ggacctgagt | ttggttctca | gcaactgtct | gctctggctc | 212460 |
| caggggggtt | aacacccttt | atggcttctg | tggacacata | ttcttatgtg | gcctgcacgc | 212520 |
| acacacacga | acacaaataa | aaataaatgt | taaaagaaga | cagcggcacc | ttgtacctca | 212580 |
| catgtttagta | cgattggatg | tggcagtgcc | tcacagaatc | tgtgggactt | tatttattta | 212640 |
| tttatttttt | ggctctaaaa | ttttaaaaa | ttggtttagg | agtgggtggt | cacaccatta | 212700 |
| atcgcaacac | tcaggagcag | aggcagggtg | atctctatgg | gtttgaggcc | agcctggctc | 212760 |
| acagagcaag | tttcagggca | gccaaaggta | cacagagaaa | ctctttctca | aaaaataaaa | 212820 |
| acaaaatatt | taaaagattt | acttacttct | tatttgagct | aggatctccc | tattagccct | 212880 |

| | | | | | | |
|-------------|-------------|-------------|-------------|-------------|-------------|--------|
| ggctgtcctg | gaactcactg | tatagaccag | gctggcacct | taaactcacg | aagatcctcc | 212940 |
| tgcttctgcc | tcctaagtgc | tgagattaaa | gtagtggtat | accatgcccc | actattttct | 213000 |
| ttatagat | gggtgtttgc | ctgcttgtgt | atatatgcac | taccttcatg | cagtgtctaat | 213060 |
| agggttcaga | ggcgagtatc | agctcttcct | ggaactagag | ttatggaagg | ttgggagtca | 213120 |
| ccatgctggg | actgggtcat | ttgcaagagt | tacaagtact | tctgagccat | ctccagcccc | 213180 |
| ctagagtttt | tttccccctt | ggctgtcctg | aagtagaatc | tgttcttggt | ttgttttggt | 213240 |
| tttcgagaca | gggtttctct | acataggcct | ggctgtcctg | gaactcactc | tgtagaccag | 213300 |
| gctggcctcg | aactcagaaa | tccgcctgcc | tctggctctc | agaatactgg | aattaaagggt | 213360 |
| gtgcgccacc | acgcctgggt | cagaatctgt | ttttaaatga | gagtaatagt | tacagggtttt | 213420 |
| ttgttttggt | tttttctttt | ctttttttgt | ttttgttttt | tggctcattt | gttttattttg | 213480 |
| ttttgagaca | ggctctcactc | tgaaccctta | ggtggcctgg | agcttgctat | gtagaacaca | 213540 |
| ctgactttta | acttgttttt | tgagtgtgtg | atttatgggc | ttgtgctatt | ttgcccagcc | 213600 |
| tctgatgggt | gttaataaca | atattattta | gcttttcttt | tggagatagg | ctctcactgt | 213660 |
| atatcaccca | gacagtgggt | ggctctggaaa | tcactgtgta | ggccaggctg | accttgaatt | 213720 |
| cacagagatc | tgctctccga | gttcagaaat | taaaagcact | ctgggatggg | tttggagt | 213780 |
| ggtgagtacc | caagcctcca | ttgatgctat | ctgtccctcc | cgctctctgc | aggctgtaga | 213840 |
| gggcagcgtg | ctcatcagct | cctcttccga | ccattccttg | actgtttgga | aggagctgga | 213900 |
| acagaagccc | acgcaccact | acaagtcagc | gtccgaccca | atccacacct | ttgacctgta | 213960 |
| cggcagcgag | gtggtcacccg | gcactgtagc | caacaagatt | ggtgtctggt | ccctgcttga | 214020 |
| gccacctctt | caggccacca | caaagctcag | ttccgagaac | ttccgtggca | cgctcactag | 214080 |
| tctggctttg | ctgcccacga | aacgccacct | cctgctgggc | tccgacaatg | gcatcatccg | 214140 |
| cctcctggca | tagggccagc | caggagtgtg | ctgaggcgag | ggcgagatga | catctctcag | 214200 |
| ggcccgtctc | tcattcttga | tctcgaagcc | gattcttcta | ggcaagcccc | aggctctggc | 214260 |
| taccacatg | gcctgctgtc | tgggattgca | cagctctga | atctccaaag | ccttgaagt | 214320 |
| gcttcatgaa | actcgggaga | tactgttcct | aaccagcaag | aattggggca | aggaaagcac | 214380 |
| tgtgatcccc | attgctcccc | agttctgcct | tctggattca | catggggaca | gggcagctcc | 214440 |
| aggaaatgaa | aggagtggg | cctttgctca | gccagcttcc | tctagccacg | ctctccttag | 214500 |
| ctctgtttct | cccttgggta | ggaaactgct | cctgtctagg | gttctgatgg | tactgggact | 214560 |
| ccaggctcag | gagggctggc | caggacctac | gactttcagg | gcttgggtctg | gggttttagc | 214620 |
| attcattcag | ccaggctctt | agtatgggac | cagaaaaaag | gggatgtgag | aacagggtcta | 214680 |
| gggaaggggg | tatatggggc | cagctggctc | aggaaatgaat | ccatgccttg | ccttgggtacc | 214740 |
| cctaaccaca | gcgtttgtgc | cttcagccgg | ggaggcagcc | cctgggacca | gcatccctag | 214800 |
| ggacaggagg | cagcgggaat | catctctgta | tctcgggttc | tgcccagggg | atgggcagac | 214860 |
| tctgccatct | cttgagtgtt | cgtttggaga | agcctgagat | gtggccctctg | ctgccttctc | 214920 |
| actagtgtca | gtctatgtaa | ataaggtaaa | taaattcttt | ggaagagcca | cggagctgag | 214980 |
| tgaggctgtg | ttgtgttttg | ctttgcctag | gctgggctca | ggcagctctg | cctcagcctc | 215040 |
| ccaaggagct | ggggaactgg | tatatgtcac | tgtatatgtc | actgtgcctg | gcttatgggt | 215100 |
| tggcttggct | ttttttcaga | tggctctcaag | tgccctcagg | tggccttgat | ccttgggatga | 215160 |
| ccttctgtct | tgaaacagag | tagtgggctt | ataggcatga | cccaccaggt | ccaattttta | 215220 |
| ttttttaaag | gcattgattt | ttatacgtgt | atggttgttt | tgcccacttg | tacatatgca | 215280 |
| caccatactt | gtgtctgggc | cctgcggagg | tcagaagagg | gcatcgggat | cacctggaac | 215340 |
| cgaagttaat | gaatgggtat | gagccacatc | tcgatgctga | agattgaacc | tggatccttt | 215400 |
| gcaagagcag | ccagtgttct | taccactga | gccatctcta | agccccacac | ccagcttctt | 215460 |
| ttgatacaag | gtctggtagc | tcaaacttga | tatgcagccg | aggaggttga | cctgggtattc | 215520 |
| cctacctacc | ctcttctctc | taccttccaa | gtgctgatat | tatacatagg | catggatagt | 215580 |
| catgcccacc | agtttgcctt | gatggcacca | gagtcaggaa | agtccaaacc | tggtagtgtg | 215640 |
| aaacacagca | agagggtaga | ggcagccatt | gtcctctggc | tgccctggat | acagagcttc | 215700 |
| tgggttgggt | ggccttgggt | cagttttccg | aatggttcac | ccttggggaa | agggaacact | 215760 |
| gctgaagagg | tgggaccctg | ggagggccgg | cctccagctg | ggctctctca | gccctcgctt | 215820 |
| tggaaacctag | gctggaggga | gccaaccagg | atcctggact | tgctacagtt | agggtgaacag | 215880 |
| gctcctgcag | cctccccctt | ccttgggtag | ctgtgggtgg | gggtgggtgg | gtgggtgggtg | 215940 |
| tgggtgggtg | gggtgggtgg | gtgggggggg | ggngnnngnt | | | 215980 |

<210> 17
 <211> 473
 <212> PRT
 <213> Mus sp.

<400> 17
 Met Lys Arg Ala Ser Ser Gly Gly Ser Arg Leu Leu Ala Trp Val Leu
 1 5 10 15

Trp Leu Gln Ala Trp Arg Val Ala Thr Pro Cys Pro Gly Ala Cys Val
 20 25 30
 Cys Tyr Asn Glu Pro Lys Val Thr Thr Ser Cys Pro Gln Gln Gly Leu
 35 40 45
 Gln Ala Val Pro Thr Gly Ile Pro Ala Ser Ser Gln Arg Ile Phe Leu
 50 55 60
 His Gly Asn Arg Ile Ser His Val Pro Ala Ala Ser Phe Gln Ser Cys
 65 70 75 80
 Arg Asn Leu Thr Ile Leu Trp Leu His Ser Asn Ala Leu Ala Arg Ile
 85 90 95
 Asp Ala Ala Ala Phe Thr Gly Leu Thr Leu Leu Glu Gln Leu Asp Leu
 100 105 110
 Ser Asp Asn Ala Gln Leu His Val Val Asp Pro Thr Thr Phe His Gly
 115 120 125
 Leu Gly His Leu His Thr Leu His Leu Asp Arg Cys Gly Leu Arg Glu
 130 135 140
 Leu Gly Pro Gly Leu Phe Arg Gly Leu Ala Ala Leu Gln Tyr Leu Tyr
 145 150 155 160
 Leu Gln Asp Asn Asn Leu Gln Ala Leu Pro Asp Asn Thr Phe Arg Asp
 165 170 175
 Leu Gly Asn Leu Thr His Leu Phe Leu His Gly Asn Arg Ile Pro Ser
 180 185 190
 Val Pro Glu His Ala Phe Arg Gly Leu His Ser Leu Asp Arg Leu Leu
 195 200 205
 Leu His Gln Asn His Val Ala Arg Val His Pro His Ala Phe Arg Asp
 210 215 220
 Leu Gly Arg Leu Met Thr Leu Tyr Leu Phe Ala Asn Asn Leu Ser Met
 225 230 235 240
 Leu Pro Ala Glu Val Leu Met Pro Leu Arg Ser Leu Gln Tyr Leu Arg
 245 250 255
 Leu Asn Asp Asn Pro Trp Val Cys Asp Cys Arg Ala Arg Pro Leu Trp
 260 265 270
 Ala Trp Leu Gln Lys Phe Arg Gly Ser Ser Ser Glu Val Pro Cys Asn
 275 280 285
 Leu Pro Gln Arg Leu Ala Asp Arg Asp Leu Lys Arg Leu Ala Ala Ser
 290 295 300
 Asp Leu Glu Gly Cys Ala Val Ala Ser Gly Pro Phe Arg Pro Ile Gln
 305 310 315 320
 Thr Ser Gln Leu Thr Asp Glu Glu Leu Leu Ser Leu Pro Lys Cys Cys
 325 330 335
 Gln Pro Asp Ala Ala Asp Lys Ala Ser Val Leu Glu Pro Gly Arg Pro


```

<221> MOD_RES
<222> (18)..(25)
<223> Variable amino acid or not present

<220>
<221> MOD_RES
<222> (27)..(29)
<223> Variable amino acid or not present

<220>
<221> MOD_RES
<222> (31)..(34)
<223> Variable amino acid or not present

<220>
<221> MOD_RES
<222> (36)
<223> Variable amino acid or not present

<220>
<221> MOD_RES
<222> (39)..(40)
<223> Variable amino acid or not present

<220>
<221> MOD_RES
<222> (42)
<223> Variable amino acid or not present

<220>
<221> MOD_RES
<222> (44)..(50)
<223> Variable amino acid or not present

<220>
<221> MOD_RES
<222> (52)..(59)
<223> Variable amino acid or not present

<220>
<221> MOD_RES
<222> (62)..(63)
<223> Variable amino acid or not present

<220>
<221> MOD_RES
<222> (66)..(69)
<223> Variable amino acid or not present

<220>
<221> MOD_RES
<222> (71)..(74)
<223> Variable amino acid or not present

<220>
<221> MOD_RES
<222> (76)..(80)
<223> Variable amino acid or not present

<220>
<221> MOD_RES
<222> (83)

```



```

<223> Variable amino acid or not present

<220>
<221> MOD_RES
<222> (87)
<223> Variable amino acid or not present

<220>
<221> MOD_RES
<222> (90)..(91)
<223> Variable amino acid or not present

<220>
<221> MOD_RES
<222> (93)..(96)
<223> Variable amino acid or not present

<220>
<221> MOD_RES
<222> (98)
<223> Variable amino acid or not present

<220>
<221> MOD_RES
<222> (101)
<223> Variable amino acid or not present

<220>
<221> MOD_RES
<222> (104)..(105)
<223> Variable amino acid or not present

<220>
<221> MOD_RES
<222> (107)..(108)
<223> Variable amino acid or not present

<220>
<221> MOD_RES
<222> (110)
<223> Variable amino acid or not present

<220>
<221> MOD_RES
<222> (112)..(113)
<223> Variable amino acid or not present

<220>
<221> MOD_RES
<222> (115)
<223> Variable amino acid or not present

<220>
<221> MOD_RES
<222> (117)..(118)
<223> Variable amino acid or not present

<220>
<221> MOD_RES
<222> (120)..(123)
<223> Variable amino acid or not present

```

```

<220>
<221> MOD_RES
<222> (125)
<223> Variable amino acid or not present

<220>
<221> MOD_RES
<222> (128)..(129)
<223> Variable amino acid or not present

<220>
<221> MOD_RES
<222> (137)
<223> Variable amino acid or not present

<220>
<221> MOD_RES
<222> (139)..(142)
<223> Variable amino acid or not present

<220>
<221> MOD_RES
<222> (144)
<223> Variable amino acid or not present

<220>
<221> MOD_RES
<222> (146)..(147)
<223> Variable amino acid or not present

<220>
<221> MOD_RES
<222> (149)
<223> Variable amino acid or not present

<220>
<221> MOD_RES
<222> (152)
<223> Variable amino acid or not present

<220>
<221> MOD_RES
<222> (155)
<223> Variable amino acid or not present

<220>
<221> MOD_RES
<222> (163)..(171)
<223> Variable amino acid or not present

<220>
<221> MOD_RES
<222> (176)..(177)
<223> Variable amino acid or not present

<220>
<221> MOD_RES
<222> (185)
<223> Variable amino acid or not present

<220>
<221> MOD_RES

```

<222> (187)..(190)
<223> Variable amino acid or not present

<220>
<221> MOD_RES
<222> (193)..(194)
<223> Variable amino acid or not present

<220>
<221> MOD_RES
<222> (197)..(198)
<223> Variable amino acid or not present

<220>
<221> MOD_RES
<222> (200)
<223> Variable amino acid or not present

<220>
<221> MOD_RES
<222> (203)..(204)
<223> Variable amino acid or not present

<220>
<221> MOD_RES
<222> (206)
<223> Variable amino acid or not present

<220>
<221> MOD_RES
<222> (209)
<223> Variable amino acid or not present

<220>
<221> MOD_RES
<222> (211)
<223> Variable amino acid or not present

<220>
<221> MOD_RES
<222> (213)..(214)
<223> Variable amino acid or not present

<220>
<221> MOD_RES
<222> (216)..(219)
<223> Variable amino acid or not present

<220>
<221> MOD_RES
<222> (221)..(222)
<223> Variable amino acid or not present

<220>
<221> MOD_RES
<222> (224)..(225)
<223> Variable amino acid or not present

<220>
<221> MOD_RES
<222> (227)..(228)
<223> Variable amino acid or not present

<220>
<221> MOD_RES
<222> (233)
<223> Variable amino acid or not present

<220>
<221> MOD_RES
<222> (235)
<223> Variable amino acid or not present

<220>
<221> MOD_RES
<222> (237)
<223> Variable amino acid or not present

<220>
<221> MOD_RES
<222> (239)
<223> Variable amino acid or not present

<220>
<221> MOD_RES
<222> (242)
<223> Variable amino acid or not present

<220>
<221> MOD_RES
<222> (244)
<223> Variable amino acid or not present

<220>
<221> MOD_RES
<222> (247)
<223> Variable amino acid or not present

<220>
<221> MOD_RES
<222> (249)..(252)
<223> Variable amino acid or not present

<220>
<221> MOD_RES
<222> (254)
<223> Variable amino acid or not present

<220>
<221> MOD_RES
<222> (258)
<223> Variable amino acid or not present

<220>
<221> MOD_RES
<222> (260)
<223> Variable amino acid or not present

<220>
<221> MOD_RES
<222> (262)..(263)
<223> Variable amino acid or not present

<220>

<221> MOD_RES
 <222> (265)..(270)
 <223> Variable amino acid or not present

<220>
 <221> MOD_RES
 <222> (273)..(274)
 <223> Variable amino acid or not present

<220>
 <221> MOD_RES
 <222> (276)..(278)
 <223> Variable amino acid or not present

<220>
 <221> MOD_RES
 <222> (280)..(282)
 <223> Variable amino acid or not present

<400> 18
 Cys Pro Xaa Xaa Cys Xaa Cys Tyr Xaa Xaa Pro Xaa Xaa Thr Xaa Ser
 1 5 10 15
 Cys Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Pro Xaa Xaa Xaa Pro Xaa Xaa
 20 25 30
 Xaa Xaa Arg Xaa Phe Leu Xaa Xaa Asn Xaa Ile Xaa Xaa Xaa Xaa Xaa
 35 40 45
 Xaa Xaa Phe Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Leu Trp Xaa Xaa Ser
 50 55 60
 Asn Xaa Xaa Xaa Xaa Ile Xaa Xaa Xaa Xaa Phe Xaa Xaa Xaa Xaa Xaa
 65 70 75 80
 Leu Glu Xaa Leu Asp Leu Xaa Asp Asn Xaa Xaa Leu Xaa Xaa Xaa Xaa
 85 90 95
 Pro Xaa Thr Phe Xaa Gly Leu Xaa Xaa Leu Xaa Xaa Leu Xaa Leu Xaa
 100 105 110
 Xaa Cys Xaa Leu Xaa Xaa Leu Xaa Xaa Xaa Xaa Phe Xaa Gly Leu Xaa
 115 120 125
 Xaa Leu Gln Tyr Leu Tyr Leu Gln Xaa Asn Xaa Xaa Xaa Xaa Leu Xaa
 130 135 140
 Asp Xaa Xaa Phe Xaa Asp Leu Xaa Asn Leu Xaa His Leu Phe Leu His
 145 150 155 160
 Gly Asn Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Phe Arg Gly Leu Xaa
 165 170 175
 Xaa Leu Asp Arg Leu Leu Leu His Xaa Asn Xaa Xaa Xaa Xaa Val His
 180 185 190
 Xaa Xaa Ala Phe Xaa Xaa Leu Xaa Arg Leu Xaa Xaa Leu Xaa Leu Phe
 195 200 205
 Xaa Asn Xaa Leu Xaa Xaa Leu Xaa Xaa Xaa Xaa Leu Xaa Xaa Leu Xaa
 210 215 220

| | | | | | | | | | | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Xaa | Leu | Xaa | Xaa | Leu | Arg | Leu | Asn | Xaa | Asn | Xaa | Trp | Xaa | Cys | Xaa | Cys |
| 225 | | | | | | 230 | | | | 235 | | | | | 240 |
| | | | | | | | | | | | | | | | |
| Arg | Xaa | Arg | Xaa | Leu | Trp | Xaa | Trp | Xaa | Xaa | Xaa | Xaa | Arg | Xaa | Ser | Ser |
| | | | | 245 | | | | | 250 | | | | | 255 | |
| | | | | | | | | | | | | | | | |
| Ser | Xaa | Val | Xaa | Cys | Xaa | Xaa | Pro | Xaa | Xaa | Xaa | Xaa | Xaa | Xaa | Asp | Leu |
| | | | 260 | | | | | 265 | | | | | | 270 | |
| | | | | | | | | | | | | | | | |
| Xaa | Xaa | Leu | Xaa | Xaa | Xaa | Asp | Xaa | Xaa | Xaa | Cys | | | | | |
| | | 275 | | | | | 280 | | | | | | | | |

<210> 19
 <211> 50
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Consensus
 sequence

<220>
 <221> MOD_RES
 <222> (2)
 <223> Variable amino acid or not present

<220>
 <221> MOD_RES
 <222> (4)
 <223> Variable amino acid or not present

<220>
 <221> MOD_RES
 <222> (6)
 <223> Variable amino acid or not present

<220>
 <221> MOD_RES
 <222> (11)
 <223> Variable amino acid or not present

<220>
 <221> MOD_RES
 <222> (14)
 <223> Variable amino acid or not present

<220>
 <221> MOD_RES
 <222> (16)..(19)
 <223> Variable amino acid or not present

<220>
 <221> MOD_RES
 <222> (21)
 <223> Variable amino acid or not present

<220>
 <221> MOD_RES
 <222> (25)
 <223> Variable amino acid or not present

<220>

<221> MOD_RES
 <222> (27)
 <223> Variable amino acid or not present

<220>
 <221> MOD_RES
 <222> (29)..(30)
 <223> Variable amino acid or not present

<220>
 <221> MOD_RES
 <222> (32)..(37)
 <223> Variable amino acid or not present

<220>
 <221> MOD_RES
 <222> (40)..(41)
 <223> Variable amino acid or not present

<220>
 <221> MOD_RES
 <222> (43)..(45)
 <223> Variable amino acid or not present

<220>
 <221> MOD_RES
 <222> (47)..(49)
 <223> Variable amino acid or not present

<400> 19
 Asn Xaa Trp Xaa Cys Xaa Cys Arg Ala Arg Xaa Leu Trp Xaa Trp Xaa
 1 5 10 15
 Xaa Xaa Xaa Arg Xaa Ser Ser Ser Xaa Val Xaa Cys Xaa Xaa Pro Xaa
 20 25 30
 Xaa Xaa Xaa Xaa Xaa Asp Leu Xaa Xaa Leu Xaa Xaa Xaa Asp Xaa Xaa
 35 40 45
 Xaa Cys
 50